

Tab. 1: Übersicht über die absoluten Peakflächen (Counts) des *Quantifier*- und *Qualifier*-Übergangs von E1 und E2 (links: deuterierte *MRM*-Übergänge, rechts: undeuterierte *MRM*-Übergänge) in den Referenzen I und II. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analoga M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (*I_E1_E2_Metabolite_deuteriert_undeuteriert.mth*). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Frau	Messung	E2-d ₃	E1-d ₄	E2	E1
		<i>Quantifier</i>		<i>Qualifier</i>	
		419_285	346_261	416_285	342_244
	1	1,084E+07	2,469E+06	3,260E+04	n.n.
	2a	8,685E+06	2,215E+06	n.n.	n.n.
	2b	8,110E+06	2,152E+06	n.n.	n.n.
	2c	7,618E+06	2,138E+06	2,619E+04	n.n.
Frau 8 (Patientencode 22270)	1	1,017E+07	2,317E+06	3,018E+04	n.n.
	2a	8,453E+06	1,985E+06	n.n.	n.n.
	2b	7,824E+06	2,038E+06	n.n.	n.n.
	2c	7,477E+06	1,746E+06	n.n.	n.n.
	1	1,008E+07	2,429E+06	4,005E+04	n.n.
	2a	9,399E+06	2,239E+06	6,847E+04	n.n.
Frau 8 (P4/P5/6; Patientencode 22270)	2b	8,288E+06	1,703E+06	6,609E+04	n.n.
	2c	8,416E+06	1,943E+06	5,917E+04	n.n.
und Frau 29 (Patientencode W005)	1	1,033E+07	2,260E+06	7,058E+04	n.n.
	2a	9,032E+06	1,899E+06	2,850E+04	n.n.
	2b	8,345E+06	2,004E+06	3,223E+04	n.n.

	2c	8,443E+06	1,916E+06	4,727E+04	n.n.
Frau 19 (Patientencode W002) und Frau 25 (Patientencode 3363)	1	1,638E+07	3,336E+06	6,178E+04	n.n.
	2a	1,496E+07	3,220E+06	6,539E+04	n.n.
	2b	1,438E+07	2,978E+06	6,107E+04	n.n.
	2c	1,282E+07	2,400E+06	8,788E+04	n.n.
Frau 13 (Patientencode 22554) und Frau 17	1	1,877E+07	3,430E+06	7,995E+04	n.n.
	2a	1,695E+07	3,144E+06	7,402E+04	n.n.
	2b	1,567E+07	2,844E+06	7,903E+04	n.n.
	2c	1,434E+07	3,178E+06	2,888E+04	n.n.
Frau 14 (Patientencode 546) und Frau 16 (Patientencode 22727)	1	1,567E+07	3,585E+06	7,946E+04	n.n.
	2a	1,468E+07	3,418E+06	7,930E+04	n.n.
	2b	1,442E+07	3,201E+06	4,436E+04	n.n.
	2c	1,500E+07	3,247E+06	9,170E+04	n.n.
Frau 7 (Patientencode 19832) und	1	1,685E+07	3,607E+06	9,833E+04	n.n.
	2a	1,708E+07	3,702E+06	7,773E+04	n.n.
	2b	1,663E+07	3,365E+06	5,476E+04	n.n.
	2c	1,485E+07	3,405E+06	8,385E+04	n.n.
Frau 7 (Patientencode 19832) und	1	1,098E+07	2,850E+06	4,972E+04	n.n.
	2a	1,049E+07	2,905E+06	2,808E+04	n.n.
	2b	9,754E+06	2,481E+06	3,690E+04	n.n.
	2c	9,159E+06	1,890E+06	3,562E+04	n.n.
Frau 7 (Patientencode 19832) und	1	8,948E+06	2,244E+06	2,817E+04	n.n.
	2a	8,831E+06	2,083E+06	4,533E+04	n.n.
	2b	8,340E+06	1,831E+06	4,866E+04	n.n.
	2c	7,676E+06	1,764E+06	4,064E+04	n.n.
Frau 7 (Patientencode 19832) und	1	9,410E+06	2,254E+06	3,172E+04	n.n.
	2a	8,464E+06	2,136E+06	5,211E+04	n.n.
	2b	8,740E+06	1,953E+06	2,665E+04	n.n.
	2c	9,448E+06	2,077E+06	2,570E+04	n.n.

Frau 12 (Patientencode 4322)	1	1,100E+07	2,502E+06	3,684E+04	n.n.
	2a	9,972E+06	2,369E+06	7,121E+04	n.n.
	2b	1,009E+07	2,496E+06	6,024E+04	n.n.
	2c	1,003E+07	2,590E+06	3,260E+04	n.n.
Frau 1 (Patientencode 14116) und Frau 30 (Patientencode W006)	1	1,024E+07	2,845E+06	3,310E+04	n.n.
	2a	9,924E+06	2,615E+06	6,009E+04	n.n.
	2b	1,086E+07	2,325E+06	7,478E+04	n.n.
	2c	1,053E+07	2,553E+06	7,430E+04	n.n.
Frau 4 (Patientencode 21870) und Frau 5 (Patientencode 21982)	1	1,081E+07	2,531E+06	5,344E+04	n.n.
	2a	1,141E+07	2,625E+06	6,328E+04	n.n.
	2b	1,104E+07	2,521E+06	5,251E+04	n.n.
	2c	9,823E+06	2,251E+06	6,249E+04	n.n.
Frau 4 (Patientencode 21870) und Frau 5 (Patientencode 21982)	1	1,494E+07	3,240E+06	7,189E+04	n.n.
	2a	1,436E+07	2,941E+06	5,947E+04	n.n.
	2b	1,399E+07	2,641E+06	7,785E+04	n.n.
	2c	1,223E+07	2,425E+06	6,062E+04	n.n.
Frau 5 (Patientencode 21982)	1	1,511E+07	3,390E+06	6,404E+04	n.n.
	2a	1,440E+07	3,196E+06	5,153E+04	n.n.
	2b	1,377E+07	2,962E+06	8,521E+04	n.n.
	2c	1,322E+07	2,522E+06	4,687E+04	n.n.
Frau 2 (Patientencode 21640) und Frau 11 (Patientencode 22037)	1	1,469E+07	3,146E+06	2,164E+04	n.n.
	2a	1,661E+07	3,523E+06	2,605E+04	n.n.
	2b	1,559E+07	3,470E+06	n.n.	n.n.
	2c	1,457E+07	3,048E+06	2,502E+04	n.n.
Frau 11 (Patientencode 22037)	1	1,355E+07	2,762E+06	5,460E+04	n.n.
	2a	1,288E+07	2,602E+06	3,876E+04	n.n.
	2b	1,140E+07	2,338E+06	7,597E+04	n.n.
	2c	1,125E+07	2,481E+06	5,218E+04	n.n.

Frau	Messung	E2-d ₃	E1-d ₄	E2	E1
		<i>Quantifier</i>		<i>Qualifier</i>	
		419_285	346_261	416_285	342_244
Frau 20 (Patientencode S001), Frau 28 (Patientencode 22916) und Frau 32 (Patientencode 23352)	I	1,368E+06	3,211E+06	2,537E+04	n.n.
		1,193E+06	2,628E+06	1,318E+04	n.n.
	II	1,171E+06	2,419E+06	4,774E+03	n.n.
		1,323E+06	2,957E+06	3,737E+04	n.n.
Frau 21 (Patientencode 22548) und Frau 26 (Patientencode 22755)	I	1,350E+06	2,944E+06	2,224E+04	n.n.
		1,220E+06	2,883E+06	3,307E+04	n.n.
	II	1,481E+06	2,945E+06	1,926E+04	n.n.
		1,293E+06	2,715E+06	3,065E+04	n.n.
Frau 24 (Patientencode 22960) und Frau 27 (Patientencode 22717)	I	1,246E+06	3,377E+06	1,130E+04	n.n.
		1,117E+06	3,102E+06	2,641E+04	n.n.
	II	1,344E+06	3,379E+06	1,614E+04	n.n.
		1,218E+06	3,267E+06	1,715E+04	n.n.
Frau 3 (Patientencode 21545), Frau 6 (Patientencode 21912) und Frau 18 (Patientencode W001)	I	1,237E+06	3,192E+06	1,303E+04	n.n.
		1,157E+06	2,716E+06	2,114E+04	n.n.
	II	1,386E+06	3,128E+06	1,512E+04	n.n.
		1,321E+06	2,992E+06	2,387E+04	n.n.
Frau 0, Frau 10 (Patientencode 22342) und Frau 31 (Patientencode 22886)	I	1,341E+06	3,147E+06	2,006E+04	n.n.
		1,258E+06	2,749E+06	2,543E+04	n.n.
	II	1,511E+06	3,770E+06	1,783E+04	n.n.
		1,370E+06	3,249E+06	n.n.	n.n.
Frau 1 (P4/P5/P6; Patientencode 14116), Frau 4 (P4/P5/P5; Patientencode 21870) und Frau 15 (Patientencode W003)	I	1,550E+06	3,704E+06	2,878E+04	n.n.
		1,337E+06	3,067E+06	1,590E+04	n.n.
	II	1,567E+06	3,337E+06	2,679E+04	n.n.
		1,623E+06	3,243E+06	2,451E+04	n.n.

Frau 3 (P4/P5/6; Patientencode 22545) und Frau 19 (P4/P5/P6; Patientencode W002)	I	1,612E+06	3,489E+06	1,596E+04	n.n.
	II	1,345E+06	2,866E+06	1,648E+04	n.n.
Frau 26 (P4/P5/6; Patientencode 22755) und Frau 29 (P4/P5/P6; Patientencode W005)	I	1,234E+06	2,729E+06	1,873E+04	n.n.
	II	1,188E+06	2,475E+06	1,611E+04	n.n.
Frau 26 (P4/P5/6; Patientencode 22755) und Frau 29 (P4/P5/P6; Patientencode W005)	I	1,342E+06	2,599E+06	1,472E+04	n.n.
	II	1,424E+06	3,107E+06	1,791E+04	n.n.
Frau 26 (P4/P5/6; Patientencode 22755) und Frau 29 (P4/P5/P6; Patientencode W005)	I	1,767E+06	3,460E+06	3,180E+04	n.n.
	II	1,900E+06	3,854E+06	2,556E+04	n.n.

Tab. 2: Übersicht über die absoluten Peakflächen (Counts) des *Quantifier*- und *Qualifier*-Übergangs von E1 und E2 (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) in den Blindwerten I und II. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1-, E2-, Hydroxylierungsprodukten, -Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analog M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (I_E1_E2_Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

<i>Blindwerte - Patientencode 22270 (Frau 8)</i>												
Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	<i>Quantifier</i> E2 (416_285) (419_285)	<i>Qualifier</i> E2 (416_326) (419_329)	WFR (%) d ₃ -E2	E2 <i>Quantifier/Qualifier</i>	<i>Quantifier</i> E1 (342_257) (346_261)	<i>Qualifier</i> E1 (342_244) (346_246)	E1 <i>Quantifier/Qualifier</i>	WFR (%) d ₄ -E1	
BW_1	P1_VIII P2_VIII P3_VIII	1	197.434	1,156E+05 (A) 5,989E+06 (A)	n.b. n.b.	57,0	- -	n.n. 1,772E+06 (A)	n.b. n.b.	- -	74,0	
		2a	135.728	1,284E+05 (A) 5,223E+06 (A)	n.n. 3,377E+06 (A)	61,0	- 1,55	n.n. 1,531E+06 (A)	n.n. 5,251E+05 (A)	- 2,92	72,9	
		2b	143.180	1,048E+05 (A) 5,121E+06 (A)	n.n. 3,060E+06 (A)	64,3	- 1,67	n.n. 1,253E+06 (A)	n.n. 4,469E+05 (A)	- 2,80	59,8	
		2c	122.571	6,501E+04 (A)	n.n.	-	n.n.	n.n.	-	-	-	-
			150.026	3,528E+06 (A)	2,081E+06 (A)	46,7	1,70	8,133E+05 (A)	2,649E+05 (A)	3,07	41,9	
BW_2	P1_VIII P2_VIII P3_VIII	1	197.434	1,548E+05 (A) 6,330E+06 (A)	n.b. n.b.	60,3	- -	n.n. 1,943E+06 (A)	n.b. n.b.	- -	81,2	
		2a	135.728	9,546E+04 (A) 5,908E+06 (A)	n.n. 3,443E+06 (A)	68,9	- 1,72	n.n. 1,985E+06 (A)	n.n. 6,503E+05 (A)	- 3,05	94,5	
		2b	143.180	1,482E+05 (A) 5,484E+06 (A)	n.n. 3,407E+06 (A)	68,8	- 1,61	n.n. 1,675E+06 (A)	n.n. 5,051E+05 (A)	- 3,32	80,0	
		2c	122.571	8,497E+04 (A)	n.n.	-	n.n.	n.n.	-	-	-	-
			150.026	4,914E+06 (A)	3,091E+06 (A)	65,1	1,59	1,607E+06 (A)	4,878E+05 (A)	3,29	82,7	

Blindwerte - Patientencode 22270 (Frau 8) und W005 (Frau 29)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier	WFR (%) d ₄ -E1	
BW_1	P4_VIII P5_VIII P6_VIII Frau XXIX	1	219.792	4,713E+04 (A) 7,649E+06 (A)	n.b. n.b.	- -	75,0	n.n. 2,069E+06 (A)	n.b. n.b.	- -	88,2	
		2a	202.605	2,723E+04 (A) 6,866E+06 (A)	n.n. 4,117E+06 (A)	n.n. 1,67	74,5	n.n. 1,690E+06 (A)	n.n. 5,053E+05 (A)	- 3,34	81,7	
		2b	149.125	n.n. 6,288E+06 (A)	n.n. 3,871E+06 (A)	n.n. 1,62	75,6	n.n. 1,742E+06 (A)	n.n. 5,543E+05 (A)	- 3,14	94,0	
		2c	123.886	6,797E+04 (A)	n.n.	n.n.	-	-	n.n.	n.n.	-	-
			145.664	5,418E+06 (A)	3,455E+06 (A)	1,57	64,3	1,363E+06 (A)	4,136E+05 (A)	3,30	70,6	
BW_2	P4_VIII P5_VIII P6_VIII Frau XXIX	1	219.792	5,874E+04 (A) 8,014E+06 (A)	n.b. n.b.	- -	78,5	n.n. 1,815E+06 (A)	n.b. n.b.	- -	77,4	
		2a	202.605	n.n. 7,609E+06 (A)	n.n. 4,331E+06 (A)	- 1,76	82,6	n.n. 1,570E+06 (A)	n.n. 4,346E+05 (A)	- 3,61	75,9	
		2b	149.125	4,214E+04 (A) 6,590E+06 (A)	n.n. 4,152E+06 (A)	- 1,59	79,2	n.n. 1,354E+06 (A)	n.n. 4,330E+05 (A)	- 3,13	73,1	
		2c	123.886	4,271E+04 (A)	n.n.	-	-	n.n.	n.n.	-	-	
			145.664	6,312E+06 (A)	3,807E+06 (A)	1,66	74,9	1,321E+06 (A)	3,152E+05 (A)	4,19	68,5	

Blindwerte - Patientencode W002 (Frau 19) und 3363 (Frau 25)

Blindwert	Probenreihe	Mess-Methode	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/ Qualifier	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/ Qualifier
BW_1	Frau XIX Frau XXV	1	183.054	7,528E+04 (A)	n.b.	-	n.n.	n.b.	-
				7,771E+06 (A)	n.b.	-	1,684E+06 (A)	n.b.	-
		2a	134.102	7,471E+04 (A)	n.n.	n.n.	n.n.	n.n.	-
				6,340E+06 (A)	4,128E+06 (A)	1,54	1,266E+06 (A)	5,400E+05 (A)	2,34
		2b	134.289	8,566E+04 (A)	n.n.	n.n.	n.n.	n.n.	-
				5,681E+06 (A)	3,640E+06 (A)	1,56	1,255E+06 (A)	3,091E+05 (A)	3,96
2c	146.594 126.458	2,842E+04 (A)	n.n.	n.n.	n.n.	n.n.	-		
		2,589E+06 (A)	1,531E+06 (A)	1,69	4,871E+05 (A)	1,722E+05 (A)	2,83		
BW_2	Frau XIX Frau XXV	1	183.054	7,027E+04 (A)	n.b.	-	n.n.	n.b.	-
				1,135E+07 (A)	n.b.	-	2,456E+06 (A)	n.b.	-
		2a	134.102	7,253E+04 (A)	n.n.	-	n.n.	n.n.	-
				1,138E+07 (A)	7,066E+06 (A)	1,61	2,156E+06 (A)	5,831E+05 (A)	3,70
		2b	134.289	7,628E+04 (A)	n.n.	-	n.n.	n.n.	-
				1,015E+07 (A)	6,080E+06 (A)	1,67	1,977E+06 (A)	5,341E+05 (A)	3,70
2c	146.594 126.458	8,149E+04 (A)	n.n.	-	n.n.	n.n.	-		
		8,428E+06 (A)	5,490E+06 (A)	1,54	1,692E+06 (A)	5,323E+05 (A)	3,18		

Blindwerte - Patientencode 22554 (Frau 13) und XVII (Frau 17)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier
BW_1	Frau XIII Frau XVII	1	173.427	6,358E+04 (A)	n.b.	-	n.n.	n.b.	-
				1,019E+07 (A)	n.b.	-	2,240E+06 (A)	n.b.	-
		2a	189.185	6,779E+04 (A)	n.n.	-	n.n.	n.n.	-
				9,699E+06 (A)	6,532E+06 (A)	1,48	2,251E+06 (A)	6,459E+05 (A)	3,49
		2b	198.036	6,005E+04 (A)	n.n.	-	n.n.	n.n.	-
				8,816E+06 (A)	5,873E+06 (A)	1,50	2,300E+06 (A)	6,787E+05 (A)	3,39
		2c	162.368	n.n.	n.n.	-	n.n.	n.n.	-
148.472	1,346E+06 (A)			9,779E+05 (A)	1,38	3,922E+05 (A)	1,118E+05 (A)	3,51	
BW_2	Frau XIII Frau XVII	1	173.427	8,043E+04 (A)	n.b.	-	n.n.	n.b.	-
				1,067E+07 (A)	n.b.	-	2,279E+06 (A)	n.b.	-
		2a	189.185	8,483E+04 (A)	n.n.	-	n.n.	n.n.	-
				9,913E+06 (A)	6,256E+06 (A)	1,58	1,967E+06 (A)	4,697E+05 (A)	4,19
		2b	198.036	3,933E+04 (A)	n.n.	-	n.n.	n.n.	-
				9,366E+06 (A)	5,971E+06 (A)	1,57	1,777E+06 (A)	7,385E+05 (A)	2,41
		2c	162.368	5,067E+04 (A)	n.n.	-	n.n.	n.n.	-
148.472	8,278E+06 (A)			5,127E+06 (A)	1,61	1,792E+06 (A)	4,907E+05 (A)	3,65	

Blindwerte - Patientencode 546 (Frau 14) und 22727 (Frau 16)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier
BW_1	Frau XIV Frau XVI	1	230.429	5,647E+04 (A) 7,307E+07 (A)	n.b. n.b.	- -	n.n. 1,606E+06 (A)	n.b. n.b.	- -
		2a	149.323	4,195E+04 (A) 5,866E+06 (A)	n.n. 3,808E+06 (A)	n.n. 1,54	n.n. 1,204E+06 (A)	n.n. 4,663E+05 (A)	- 2,58
		2b	197.157	4,224E+04 (A) 5,661E+06 (A)	n.n. 2,392E+06 (A)	n.n. 1,50	n.n. 1,479E+06 (A)	n.n. 4,830E+05 (A)	- 3,06
		2c	157.220	3,276E+04 (A)	n.n.	n.n.	n.n.	n.n.	-
			140.691	4,056E+06 (A)	2,392E+06 (A)	1,70	9,399E+05 (A)	1,710E+05 (A)	5,49
BW_2	Frau XIV Frau XVI	1	230.429	n.n. 7,189E+04 (A)	n.b. n.b.	- -	n.n. n.n.	n.b. n.b.	- -
		2a	149.323	n.n. n.n.	n.n. n.n.	- -	n.n. n.n.	n.n. n.n.	- -
		2b	197.157	n.n. 8,709E+04 (A)	n.n. n.n.	- -	n.n. n.n.	n.n. n.n.	- -
		2c	157.220	n.n.	n.n.	-	n.n.	n.n.	-
			140.691	6,427E+04 (A)	n.n.	-	n.n.	n.n.	-

Blindwerte - Patientencode 19832 (Frau 7) und 4322 (Frau 12)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/ Qualifier	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/ Qualifier	WFR (%) d ₄ -E1
BW_1	Frau VII Frau XII	1	179.128	5,311E+04 (A) 6,402E+06 (A)	n.b. n.b.	- -	62,7	n.n. 1,863E+06 (A)	n.b. n.b.	- -	78,3
		2a	139.579	n.n. 6,253E+06 (A)	n.n. 3,722E+06 (A)	- 1,68	67,8	n.n. 1,908E+06 (A)	n.n. 3,785E+05 (A)	- 5,04	84,7
		2b	153.852	3,489E+04 (A) 5,491E+06 (A)	n.n. 3,608E+06 (A)	- 1,52	58,3	n.n. 1,487E+06 (A)	n.n. 4,122E+05 (A)	- 3,61	66,8
		2c	125.201 167.562	n.n. 3,963E+06 (A)	n.n. 2,548E+06 (A)	- 1,56	40,7	n.n. 1,161E+06 (A)	n.n. 3,494E+05 (A)	- 3,32	49,8
BW_2	Frau VII Frau XII	1	179.128	5,857E+04 (A) 8,298E+06 (A)	n.b. n.b.	- -	81,3	n.n. 2,061E+06 (A)	n.b. n.b.	- -	86,7
		2a	139.579	7,347E+04 (A) 7,547E+06 (A)	n.n. 5,081E+06 (A)	- 1,49	81,9	n.n. 1,985E+06 (A)	n.n. 6,158E+05 (A)	- 3,22	88,1
		2b	153.852	6,584E+04 (A) 7,475E+06 (A)	n.n. 4,257E+06 (A)	- 1,76	79,4	n.n. 1,740E+06 (A)	n.n. 5,538E+05 (A)	- 3,14	78,2
		2c	125.201 167.562	5,433E+04 (A) 7,154E+06 (A)	n.n. 4,544E+06 (A)	- 1,57	73,5	n.n. 1,617E+06 (A)	n.n. 4,858E+05 (A)	- 3,33	69,3

Blindwerte - Patientencode W006 (Frau 30) und 14116 (Frau 1)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier	WFR (%) d ₄ -E1
BW_1	Frau XXX Frau I	1	203.537	6,308E+04 (A) 8,379E+06 (A)	n.b. n.b.	- -	79,6	n.n. 2,586E+06 (A)	n.b. n.b.	- -	96,2
		2a	233.760	8,114E+04 (A) 9,007E+06 (A)	n.n. 5,602E+06 (A)	- 1,61	84,4	n.n. 2,207E+06 (A)	n.n. 6,984E+05 (A)	- 3,16	x
		2b	170.609	n.n. 9,043E+06 (A)	n.n. 5,559E+06 (A)	- 1,63	82,6	n.n. 2,028E+06 (A)	n.n. 5,875E+05 (A)	- 3,45	x
		2c	169.914 176.274	5,186E+04 (A) 8,826E+06 (A)	n.n. 6,223E+06 (A)	- 1,42	86,7	n.n. 1,902E+06 (A)	n.n. 5,773E+05 (A)	- 3,29	x
BW_2	Frau XXX Frau I	1	203.537	4,863E+04 (A) 7,316E+06 (A)	n.b. n.b.	- -	69,5	n.n. 1,390E+06 (A)	n.b. n.b.	- -	51,7
		2a	233.760	4,053E+04 (A) 6,736E+06 (A)	n.n. 4,255E+06 (A)	- 1,58	63,1	n.n. 1,262E+06 (A)	n.n. 4,130E+05 (A)	- 3,06	x
		2b	170.609	2,342E+04 (A) 6,354E+06 (A)	n.n. 3,991E+06 (A)	- 1,59	58,0	n.n. 9,924E+05 (A)	n.n. 2,274E+05 (A)	- 4,36	x
		2c	169.914 176.274	5,573E+04 (A) 6,008E+06 (A)	n.n. 4,087E+06 (A)	- 1,47	59,0	n.n. 1,052E+06 (A)	n.n. 2,741E+05 (A)	- 3,84	x

Blindwerte - Patientencode 21870 (Frau 4) und 21982 (Frau 5)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier	WFR (%) d ₄ -E1
BW_1	Frau IV Frau V	1	213.422	7,742E+04 (A)	n.b.	-	76,3	n.n.	n.b.	-	75,8
				1,147E+07 (A)	n.b.	-		2,513E+06 (A)	n.b.	-	
		2a	180.155	5,402E+04 (A)	n.n.	-	69,3	n.n.	n.n.	-	64,5
				9,961E+06 (A)	6,315E+06 (A)	1,58		1,980E+06 (A)	5,732E+05 (A)	3,45	
		2b	162.246	5,713E+04 (A)	n.n.	-	66,2	n.n.	n.n.	-	67,6
				9,193E+06 (A)	6,145E+06 (A)	1,50		1,894E+06 (A)	5,449E+06 (A)	3,48	
		2c	198.132	6,335E+04 (A)	n.n.	-	66,6	n.n.	n.n.	-	63,6
163.889	8,481E+06 (A)			5,302E+06 (A)	1,60	1,572E+06 (A)		4,625E+05 (A)	3,40		
BW_2	Frau IV Frau V	1	213.422	5,509E+04 (A)	n.b.	-	56,5	n.n.	n.b.	-	49,5
				8,492E+06 (A)	n.b.	-		1,640E+06 (A)	n.b.	-	
		2a	180.155	5,669E+04 (A)	n.n.	-	52,6	n.n.	n.n.	-	45,1
				7,569E+06 (A)	4,780E+06 (A)	1,58		1,385E+06 (A)	4,194E+05 (A)	3,30	
		2b	162.246	2,719E+04 (A)	n.n.	-	45,9	n.n.	n.n.	-	44,4
				6,370E+06 (A)	4,164E+06 (A)	1,53		1,245E+06 (A)	3,447E+05 (A)	3,61	
		2c	198.132	3,535E+04 (A)	n.n.	-	50,7	n.n.	n.n.	-	43,1
163.889	6,446E+06 (A)			3,986E+06 (A)	1,62	1,065E+06 (A)		3,327E+05 (A)	3,20		

Blindwerte - Patientencode 21640 (Frau 2) und 22037 (Frau 11)

Blindwert	Probenreihe	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	E2 Quantifier/Qualifier	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	E1 Quantifier/Qualifier	WFR (%) d ₄ -E1
BW_1	Frau II Frau XI	1	254.630	7,539E+04 (A) 1,440E+07 (A)	n.b. n.b.	- -	101,9	n.n. 3,045E+06 (A)	n.b. n.b.	- -	103,1
		2a	261.184	5,596E+04 (A) 1,375E+07 (A)	n.n. 8,285E+06 (A)	- 1,66	93,3	n.n. 3,125E+06 (A)	n.n. 9,792E+05 (A)	- 3,19	102,0
		2b	218.315	8,876E+04 (A) 1,310E+07 (A)	n.n. 8,358E+06 (A)	- 1,57	97,1	n.n. 2,742E+06 (A)	n.n. 9,296E+05 (A)	- 2,95	94,4
		2c	189.070	n.n. 141.767	n.n. 1,596E+06 (A)	- 1,43	17,6	n.n. 4,227E+05 (A)	n.n. 1,959E+05 (A)	- 2,16	15,3
		1	254.630	7,539E+04 (A) 1,127E+07 (A)	n.b. n.b.	- -	79,8	n.n. 2,406E+06 (A)	n.b. n.b.	- -	81,4
BW_2	Frau II Frau XI	2a	261.184	6,106E+04 (A) 1,068E+07 (A)	n.n. 7,235E+06 (A)	- 1,48	72,4	n.n. 2,551E+06 (A)	n.n. 6,761E+05 (A)	- 3,77	83,3
		2b	218.315	6,193E+04 (A) 1,027E+07 (A)	n.n. 6,428E+06 (A)	- 1,60	76,1	n.n. 2,114E+06 (A)	n.n. 6,264E+05 (A)	- 3,37	72,8
		2c	189.070	3,027E+04 (A) 141.767	n.n. 8,867E+06 (A)	- 1,56	68,7	n.n. 1,578E+06 (A)	n.n. 5,628E+05 (A)	- 2,80	57,1

Blindwerte - Patientencode S001 (Frau 20), 22916 (Frau 28) und 23352 (Frau 32)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau XX	I	172.921	2,382E+04 (A)	71,2	n.n.	81,3
	Frau XXVIII		9,045E+05 (A)	2,289E+06 (A)			
	Frau XXXII	II	145.749	2,094E+04 (A)	61,9	n.n.	
	140.005		7,785E+05 (A)	1,949E+06 (A)		69,8	
BW_2	Frau XX	I	172.921	3,497E+04 (A)	69,5	n.n.	74,9
	Frau XXVIII		8,818E+05 (A)	2,109E+06 (A)			
	Frau XXXII	II	145.749	2,212E+04 (A)	67,0	n.n.	
	140.005		8,427E+05 (A)	1,822E+06 (A)		65,2	

Blindwerte - Patientencode 22548 (Frau 21) und 22755 (Frau 26)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau XXI	I	172.985	3,185E+04 (A)	70,5	n.n.	79,3
			9,981E+05 (A)	2,334E+06 (A)			
	Frau XXVI	II	137.585	3,387E+04 (A)	90,4	n.n.	
	147.095		1,136E+06 (A)	2,768E+06 (A)		98,9	
BW_2	Frau XXI	I	172.985	2,871E+04 (A)	71,8	n.n.	72,2
			1,017E+06 (A)	2,125E+06 (A)			
	Frau XXVI	II	137.585	3,348E+04 (A)	89,3	n.n.	
	147.095		1,122E+06 (A)	2,357E+06 (A)		84,2	

Blindwerte - Patientencode 22960 (Frau 24) und 22717 (Frau 27)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau XXIV	I	180.734	2,526E+04 (A)	33,0	n.n.	34,5
		II	179.880	4,276E+05 (A)		1,166E+06 (A)	
	Frau XXVII	II	200.345	3,097E+04 (A)	35,8	1,260E+06 (A)	39,6
BW_2	Frau XXIV	I	180.734	2,013E+04 (A)	53,2	n.n.	54,7
		II	179.880	6,892E+05 (A)		1,848E+06 (A)	
	Frau XXVII	II	200.345	n.n.	55,2	1,627E+06 (A)	51,1

Blindwerte - Patientencode 23352 (Frau 3), 21912 (Frau 6) und W001 (Frau 18)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau III	I	192.095	n.n.	67,8	n.n.	78,8
		II	155.403	8,898E+05 (A)		2,491E+06 (A)	
	Frau XVIII	II	181.639	2,713E+04 (A)	60,0	1,841E+06 (A)	64,5
BW_2	Frau XIII	I	192.095	2,977E+04 (A)	50,4	n.n.	65,5
		II	155.403	6,606E+05 (A)		2,069E+06 (A)	
	Frau XVIII	II	181.639	n.n.	47,0	1,677E+06 (A)	58,8

Blindwerte - Patientencode 22342 (Frau 10) und 22886 (Frau 31) und Frau 0

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau 0	I	220.317	3,867E+04 (A) 1,413E+06 (A)	103,1	n.n. 3,344E+06 (A)	103,6
	Frau X	II	221.427	3,418E+04 (A)	93,9	n.n.	74,9
	Frau XXXI		200.190	1,287E+06 (A)		2,418E+06 (A)	
BW_2	Frau 0	I	220.317	3,008E+04 (A) 1,519E+06 (A)	110,9	n.n. 3,441E+06 (A)	106,6
	Frau X	II	221.427	n.n.	100,1	n.n.	86,3
	Frau XXXI		200.190	1,372E+06 (A)		2,787E+06 (A)	

Blindwerte - Patientencode 14116 (Frau 1), 21870 (Frau 4) und W003 (Frau 15)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau I	I	175.988	2,849E+04 (A) 1,099E+06 (A)	72,3	n.n. 3,130E+06 (A)	93,8
	Frau IV	II	153.158	2,019E+04 (A)	70,2	n.n.	77,0
	Frau XV		148.123	1,067E+06 (A)		2,569E+06 (A)	
BW_2	Frau I	I	175.988	2,022E+04 (A) 1,193E+06 (A)	78,5	n.n. 2,732E+06 (A)	81,9
	Frau IV	II	153.158	3,254E+04 (A)	78,9	n.n.	77,7
	Frau XV		148.123	1,199E+06 (A)		2,594E+06 (A)	

Blindwerte - Patientencode 21545 (Frau 3) und W002 (Frau 19)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau III Frau XIX	I	162.865	3,205E+04 (A) 7,596E+05 (A)	56,5	n.n. 1,685E+06 (A)	58,3
		II	170.435	2,644E+04 (A)	55,7	n.n.	50,9
			160.631	7,495E+05 (A)		1,472E+06 (A)	
BW_2	Frau III Frau XIX	I	162.865	3,765E+04 (A) 9,610E+05 (A)	71,5	n.n. 1,774E+06 (A)	61,4
		II	170.435	2,838E+04 (A)	67,6	n.n.	54,3
			160.631	9,097E+05 (A)		1,569E+06 (A)	

Blindwerte - Patientencode 22755 (Frau 26) und W005 (Frau 29)

Blindwert	Probenreihe	Messung	Geräte- standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1
BW_1	Frau XXVI Frau XXIX	I	214.211	2,314E+04 (A) 1,158E+06 (A)	72,0	n.n. 2,712E+06 (A)	83,3
		II	192.906	3,804E+04 (A)	72,6	n.n.	83,6
			143.742	1,168E+06 (A)		2,721E+06 (A)	
BW_2	Frau XXVI Frau XXIX	I	214.211	4,115E+05 (A) 1,264E+06 (A)	78,6	n.n. 3,230E+06 (A)	99,2
		II	192.906	n.n.	78,9	n.n.	95,1
			143.742	1,269E+06 (A)		3,097E+06 (A)	

Tab. 3: Absoluten Peakflächen (Counts) des *Quantifier*- und *Qualifier*-Übergangs von E2-Hydroxylierungs- und Methylierungsprodukten (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) der Blindwerte I und II sowie der Referenzlösungen I und II. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1-, E2-, Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analog M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (I_E1_E2_Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. (-): kein integrierbarer Peak vorhanden. Analysenbedingungen Kap. 4.2.23.2, *Dissertation Futh 2015*.

Blindwert bzw. Referenz	Messung	Gerätestandard (1 μ g E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 0, Frau 10 (Patientencode 22342) und Frau 31 (Patientencode 22886)												
BW_1	I	220.317	1,881E+05 (A) 6,202E+07 (A)	135,5	1,492E+05 (A) 2,680E+07 (A)	241,0	(-) 1,134E+06 (A)	126,4	(-) 1,607E+06 (A)	92,7	(-) 6,220E+05 (A)	105,7
	II	221.427 200.190	1,408E+05 (A) 5,540E+07 (A)	121,0	1,413E+05 (A) 2,598E+07 (A)	233,6	(-) 8,332E+05 (A)	92,8	(-) 1,398E+06 (A)	80,6	(-) 7,263E+05 (A)	123,5
BW_2	I	220.317	2,027E+05 (A) 6,410E+06 (A)	140,0	1,748E+05 (A) 2,381E+07 (A)	214,1	(-) 9,712E+05 (A)	108,2	(-) 1,987E+06 (A)	114,6	(-) 7,884E+05 (A)	134,0
	II	221.427 200.190	1,307E+05 (A) 5,338E+07 (A)	116,6	1,364E+05 (A) 2,512E+07 (A)	225,8	(-) 8,546E+05 (A)	95,2	(-) 1,909E+06 (A)	110,1	(-) 6,308E+05 (A)	107,2
RF_1	I	220.317	9,731E+04 (A) 4,476E+07 (A)	/	1,011E+05 (A) 7,900E+06 (A)	/	(-) 8,987E+05 (A)	/	(-) 1,680E+06 (A)	/	(-) 5,210E+05 (A)	/
	II	221.427 200.190	1,049E+05 (A) 4,015E+07 (A)		1,043E+07 (A)		(-) 7,464E+05 (A)		(-) 1,371E+06 (A)		(-) 5,626E+05 (A)	
RF_2	I	220.317	1,581E+05 (A) 5,129E+07 (A)		8,795E+04 (A) 1,226E+07 (A)		(-) 9,673E+05 (A)		(-) 2,137E+06 (A)		(-) 6,861E+05 (A)	
	II	221.427 200.190	1,397E+05 (A) 4,695E+07 (A)		6,378E+04 (A) 1,390E+07 (A)		(-) 9,770E+05 (A)		(-) 1,746E+06 (A)		(-) 5,834E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 3 (Patientencode 21545), Frau 6 (Patientencode 21912) und Frau 18 (Patientencode W001)												
BW_1	I	192.095	1,065E+05 (A) 4,201E+07 (A)	93,0	1,395E+05 (A) 2,275E+07 (A)	100,8	(-) 7,430E+05 (A)	73,2	(-) 1,187E+06 (A)	82,0	(-) 6,638E+05 (A)	87,2
	II	155.403 181.639	1,064E+05 (A) 3,703E+07 (A)	82,0	1,434E+05 (A) 2,050E+07 (A)	90,9	(-) 5,426E+05 (A)	53,5	(-) 1,286E+06 (A)	88,8	(-) 4,395E+05 (A)	57,7
BW_2	I	192.095	9,238E+04 (A) 3,066E+07 (A)	67,9	5,514E+04 (A) 1,274E+07 (A)	56,5	(-) 5,226E+05 (A)	51,5	(-) 8,307E+05 (A)	57,4	(-) 3,840E+05 (A)	50,4
	II	155.403 181.639	4,238E+04 (A) 2,597E+07 (A)	57,5	2,156E+04 (A) 1,134E+07 (A)	50,3	(-) 4,609E+05 (A)	45,4	(-) 9,146E+05 (A)	63,2	(-) 2,833E+05 (A)	37,2
RF_1	I	192.095	7,197E+04 (A) 4,476E+07 (A)	/	1,079E+05 (A) 1,829E+07 (A)	/	(-) 9,277E+05 (A)	/	(-) 1,528E+06 (A)	/	(-) 7,630E+05 (A)	/
	II	155.403 181.639	1,116E+05 (A) 4,268E+07 (A)		1,669E+05 (A) 1,963E+07 (A)		(-) 1,039E+06 (A)		(-) 1,356E+06 (A)		(-) 8,082E+05 (A)	
RF_2	I	192.095	9,769E+04 (A) 4,642E+07 (A)	/	1,170E+05 (A) 2,551E+07 (A)	/	(-) 1,115E+06 (A)	/	(-) 1,286E+06 (A)	/	(-) 6,765E+05 (A)	/
	II	155.403 181.639	1,173E+05 (A) 4,682E+07 (A)		9,817E+04 (A) 2,682E+07 (A)		(-) 9,762E+05 (A)		(-) 1,622E+06 (A)		(-) 7,982E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 1 (P4/P5/P6; Patientencode 14116), Frau 4 (P4/P5/P5; Patientencode 21870) und Frau 15 (Patientencode W003)												
BW_1	I	175.988	8,829E+04 (A)	94,5	1,277E+05 (A)	201,8	(-)	84,1	(-)	75,3	(-)	80,2
	II	153.158 148.123	5,002E+07 (A) 1,668E+05 (A) 5,230E+07 (A)		2,956E+07 (A) 1,817E+05 (A) 2,589E+07 (A)		7,675E+05 (A) (-) 7,846E+05 (A)		1,319E+06 (A) (-) 1,279E+06 (A)		5,375E+05 (A) (-) 4,600E+05 (A)	
BW_2	I	175.988	1,389E+05 (A)	105,3	1,772E+05 (A)	187,1	(-)	93,5	(-)	85,8	(-)	96,2
	II	153.158 148.123	5,575E+07 (A) 1,246E+05 (A) 5,016E+07 (A)		2,740E+07 (A) 1,617E+05 (A) 2,816E+07 (A)		8,529E+05 (A) (-) 7,990E+05 (A)		1,503E+06 (A) (-) 1,378E+06 (A)		6,450E+05 (A) (-) 6,352E+05 (A)	
RF_1	I	175.988	1,945E+05 (A)	/	7,348E+04 (A)	/	(-)	/	(-)	/	(-)	/
	II	153.158 148.123	5,299E+07 (A) 1,179E+05 (A) 4,776E+07 (A)		9,214E+06 (A) 5,200E+04 (A) 1,161E+07 (A)		9,058E+05 (A) (-) 8,839E+05 (A)		1,772E+06 (A) (-) 1,580E+06 (A)		7,493E+05 (A) (-) 6,124E+05 (A)	
RF_2	I	175.988	1,317E+05 (A)	/	1,694E+05 (A)	/	(-)	/	(-)	/	(-)	/
	II	153.158 148.123	5,704E+07 (A) 1,296E+05 (A) 5,393E+07 (A)		1,814E+07 (A) 1,621E+05 (A) 1,962E+07 (A)		8,839E+05 (A) (-) 9,769E+05 (A)		1,878E+06 (A) (-) 1,774E+06 (A)		6,279E+05 (A) (-) 6,915E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 21 (Patientencode 22548) und Frau 26 (Patientencode 22755)												
BW_1	I	172.985	9,632E+04 (A) 4,030E+07 (A)	103,9	9,742E+04 (A) 2,038E+07 (A)	161,3	(-) 6,360E+05 (A)	77,7	(-) 1,311E+06 (A)	79,4	(-) 6,647E+05 (A)	96,2
	II	137.585 147.095	1,062E+05 (A) 4,506E+07 (A)	116,2	8,612E+04 (A) 1,917E+07 (A)	151,7	(-) 1,008E+06 (A)	123,1	(-) 1,627E+06 (A)	98,5	(-) 6,576E+05 (A)	95,2
BW_2	I	172.985	9,439E+04 (A) 4,072E+07 (A)	105,0	8,605E+04 (A) 1,661E+07 (A)	131,5	(-) 5,929E+05 (A)	72,4	(-) 1,006E+06 (A)	60,9	(-) 4,457E+05 (A)	64,5
	II	137.585 147.095	1,661E+05 (A) 4,696E+07 (A)	121,1	1,346E+04 (A) 1,817E+07 (A)	143,8	(-) 8,683E+05 (A)	106,0	(-) 1,415E+06 (A)	85,7	(-) 7,028E+05 (A)	101,7
RF_1	I	172.985	1,021E+05 (A) 4,143E+07 (A)	/	7,327E+04 (A) 1,081E+07 (A)	/	(-) 9,056E+05 (A)	/	(-) 1,684E+06 (A)	/	(-) 8,724E+05 (A)	/
	II	137.585 147.095	1,125E+05 (A) 3,767E+07 (A)		6,028E+04 (A) 1,205E+07 (A)		(-) 7,979E+05 (A)		(-) 1,713E+06 (A)		(-) 6,596E+05 (A)	
RF_2	I	172.985	9,608E+04 (A) 3,826E+07 (A)	/	3,158E+04 (A) 1,395E+07 (A)	/	(-) 8,024E+05 (A)	/	(-) 1,738E+06 (A)	/	(-) 6,239E+05 (A)	/
	II	137.585 147.095	8,192E+04 (A) 3,780E+07 (A)		6,178E+04 (A) 1,373E+07 (A)		(-) 7,698E+05 (A)		(-) 1,469E+06 (A)		(-) 6,071E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 20 (Patientencode S001), Frau 28 (Patientencode 22916) und Frau 32 (Patientencode 23352)												
BW_1	I	172.921	7,326E+04 (A) 3,348E+07 (A)	89,8	8,568E+04 (A) 3,348E+07 (A)	256,1	(-) 3,957E+05 (A)	39,3	(-) 1,060E+06 (A)	62,5	(-) 5,193E+05 (A)	74,4
	II	145.749	5,430E+04 (A)	84,9	7,223E+04 (A)	242,4	(-)	47,2	(-)	56,7	(-)	66,8
		140.005	3,168E+07 (A)		3,168E+07 (A)		4,751E+05 (A)		9,619E+05 (A)		4,661E+05 (A)	
BW_2	I	172.921	8,148E+04 (A) 3,654E+07 (A)	98,0	1,366E+05 (A) 1,968E+07 (A)	150,6	(-) 5,938E+05 (A)	59,0	(-) 9,435E+05 (A)	55,6	(-) 5,377E+05 (A)	77,1
	II	145.749	6,468E+04 (A)	88,8	9,938E+04 (A)	137,7	(-)	61,6	(-)	57,9	(-)	60,7
		140.005	3,310E+07 (A)		1,800E+07 (A)		6,205E+05 (A)		9,825E+05 (A)		4,236E+05 (A)	
RF_1	I	172.921	1,925E+05 (A) 4,772E+07 (A)	/	4,468E+04 (A) 1,660E+07 (A)	/	(-) 1,062E+06 (A)	/	(-) 2,054E+06 (A)	/	(-) 7,501E+05 (A)	/
	II	145.749	1,174E+05 (A)		7,604E+04 (A)		(-)		(-)		(-)	
140.005		4,403E+07 (A)	1,730E+07 (A)		8,635E+05 (A)		1,714E+06 (A)		6,790E+05 (A)			
RF_2	I	172.921	4,442E+04 (A) 2,638E+07 (A)		/		5,862E+04 (A) 8,922E+06 (A)		/		(-) 8,957E+05 (A)	
	II	145.749	7,239E+04 (A)	6,676E+04 (A)		(-)	(-)	(-)				
		140.005	3,105E+07 (A)	9,462E+06 (A)		1,205E+06 (A)	1,678E+06 (A)	7,534E+05 (A)				

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 24 (Patientencode 22960) und Frau 27 (Patientencode 22717)												
BW_1	I	180.734	(-) 2,008E+07 (A)	44,6	(-) 6,165E+06 (A)	42,6	(-) 3,695E+05 (A)	36,0	(-) 5,760E+05 (A)	38,0	(-) 2,667E+05 (A)	47,1
	II	179.880 200.345	5,851E+04 (A) 2,102E+07 (A)	46,7	2,718E+04 (A) 7,558E+06 (A)	52,2	(-) 2,280E+05 (A)	22,2	(-) 5,934E+05 (A)	39,2	(-) 2,815E+05 (A)	49,7
BW_2	I	180.734	5,975E+04 (A) 2,219E+07 (A)	49,3	3,784E+04 (A) 5,769E+06 (A)	39,9	(-) 4,411E+05 (A)	43,0	(-) 7,469E+05 (A)	49,3	(-) 2,172E+05 (A)	38,4
	II	179.880 200.345	1,003E+05 (A) 2,183E+07 (A)	48,5	5,505E+04 (A) 7,783E+06 (A)	53,8	(-) 4,177E+05 (A)	40,7	(-) 6,658E+05 (A)	43,9	(-) 2,305E+05 (A)	40,7
RF_1	I	180.734	9,328E+04 (A) 4,845E+07 (A)		8,979E+04 (A) 1,467E+07 (A)		(-) 1,169E+06 (A)		(-) 1,299E+06 (A)		(-) 5,558E+05 (A)	
	II	179.880 200.345	1,350E+05 (A) 4,576E+07 (A)		9,531E+04 (A) 1,455E+07 (A)		(-) 9,062E+05 (A)		(-) 1,619E+06 (A)		(-) 4,892E+05 (A)	
RF_2	I	180.734	1,404E+05 (A) 4,340E+07 (A)		5,855E+04 (A) 1,444E+07 (A)		(-) 1,013E+06 (A)		(-) 1,557E+06 (A)		(-) 5,940E+05 (A)	
	II	179.880 200.345	8,535E+04 (A) 4,247E+07 (A)		5,776E+04 (A) 1,422E+07 (A)		(-) 1,016E+06 (A)		(-) 1,586E+06 (A)		(-) 6,255E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 26 (P4/P5/6; Patientencode 22755) und Frau 29 (P4/P5/P6; Patientencode W005)												
BW_1	I	214.211	1,918E+05 (A) 5,492E+07 (A)	108,0	8,942E+04 (A) 1,956E+07 (A)	204,5	(-) 1,007E+06 (A)	90,5	(-) 1,339E+06 (A)	65,0	(-) 6,148E+05 (A)	82,4
	II	192.906 143.742	1,434E+05 (A) 5,762E+07 (A)	113,3	1,608E+05 (A) 3,669E+07 (A)	383,6	(-) 1,044E+06 (A)	93,9	(-) 1,258E+06 (A)	61,0	(-) 5,332E+05 (A)	71,5
BW_2	I	214.211	1,607E+05 (A) 4,740E+07 (A)	93,2	8,070E+04 (A) 1,377E+07 (A)	144,0	(-) 7,367E+05 (A)	66,2	(-) 1,403E+06 (A)	68,1	(-) 6,682E+05 (A)	89,6
	II	192.906 143.742	1,187E+05 (A) 5,175E+07 (A)	101,7	1,130E+05 (A) 2,386E+07 (A)	249,5	(-) 7,983E+05 (A)	71,8	(-) 1,571E+06 (A)	76,2	(-) 7,261E+05 (A)	97,3
RF_1	I	214.211	9,502E+04 (A) 3,992E+07 (A)	/	4,640E+04 (A) 5,471E+06 (A)	/	(-) 8,266E+05 (A)	/	(-) 1,945E+06 (A)	/	(-) 5,593E+05 (A)	/
	II	192.906 143.742	8,693E+04 (A) 4,175E+07 (A)		1,124E+07 (A)		(-) 1,013E+06 (A)		(-) 1,991E+06 (A)		(-) 6,927E+05 (A)	
RF_2	I	214.211	1,090E+05 (A) 5,719E+07 (A)	/	2,428E+04 (A) 7,847E+06 (A)	/	(-) 1,139E+06 (A)	/	(-) 2,006E+06 (A)	/	(-) 7,867E+05 (A)	/
	II	192.906 143.742	1,205E+05 (A) 6,461E+07 (A)		1,025E+05 (A) 1,370E+07 (A)		(-) 1,471E+06 (A)		(-) 2,301E+06 (A)		(-) 9,455E+05 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-α-HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
Blindwertserie - Frau 3 (P4/P5/6; Patientencode 22545) und Frau 19 (P4/P5/P6; Patientencode W002)												
BW_1	I	162.865	1,076E+05 (A) 3,873E+07 (A)	90,7	1,267E+05 (A) 2,359E+07 (A)	314,6	(-) 7,291E+05 (A)	82,9	(-) 9,134E+05 (A)	51,2	(-) 4,220E+05 (A)	63,0
	II	170.435 160.631	9,339E+04 (A) 3,373E+07 (A)	79,0	1,179E+05 (A) 2,183E+07 (A)	291,1	(-) 7,431E+05 (A)	84,5	(-) 9,002E+05 (A)	50,8	(-) 4,418E+05 (A)	65,9
BW_2	I	162.865	9,408E+04 (A) 4,276E+07 (A)	100,1	1,965E+05 (A) 2,733E+07 (A)	364,5	(-) 8,546E+05 (A)	97,2	(-) 1,086E+06 (A)	61,3	(-) 3,942E+05 (A)	58,8
	II	170.435 160.631	9,680E+04 (A) 3,983E+07 (A)	93,3	1,783E+05 (A) 2,621E+07 (A)	349,5	(-) 7,057E+05 (A)	80,2	(-) 1,025E+06 (A)	57,9	(-) 3,187E+05 (A)	47,5
RF_1	I	162.865	1,402E+05 (A) 4,766E+07 (A)	/	2,110E+04 (A) 6,757E+06 (A)	/	(-) 9,748E+05 (A)	/	(-) 1,963E+06 (A)	/	(-) 7,601E+05 (A)	/
	II	170.435 160.631	1,030E+05 (A) 4,320E+07 (A)		4,232E+04 (A) 8,852E+06 (A)		(-) 8,602E+05 (A)		(-) 1,953E+06 (A)		(-) 7,242E+05 (A)	
RF_2	I	162.865	7,568E+04 (A) 4,095E+07 (A)	/	(-) 6,268E+06 (A)	/	(-) 8,768E+05 (A)	/	(-) 1,548E+06 (A)	/	(-) 6,003E+05 (A)	/
	II	170.435 160.631	9,436E+04 (A) 3,904E+07 (A)		2,697E+04 (A) 8,118E+06 (A)		(-) 8,060E+05 (A)		(-) 1,618E+06 (A)		(-) 5,964E+05 (A)	

			2-HO-E2		4-HO-E2		16-α-HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16-α-HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 7 (Patientencode 19832) und Frau 12 (Patientencode 4322)												
BW_1	I	179.128	2,346E+04 (A) 2,981E+07 (A) 4,913E+04 (A) 2,360E+07 (A)	101,5	2,051E+04 (A) 1,604E+07 (A) 4,166E+04 (A) 1,245E+07 (A)	241,7	(-) 6,190E+06 (A) (-) 3,154E+06 (A)	84,5	(-) 8,325E+06 (A) (-) 7,365E+06 (A)	74,9	(-) 4,188E+06 (A) (-) 3,249E+06 (A)	83,5
	II	139.579 153.852	n.b. n.b. 2,034E+04 (A) 1,549E+07 (A)		80,3		n.b. n.b. 5,566E+04 (A) 1,164E+07 (A)		187,6		n.b. n.b. (-) 1,627E+06 (A)	
BW_2	I	179.128	1,169E+05 (A) 4,144E+07 (A) 2,707E+04 (A) 3,261E+07 (A)	141,1 111,0	1,467E+05 (A) 2,211E+07 (A) 8,733E+04 (A) 1,625E+07 (A)	333,2 244,9	(-) 8,367E+06 (A) (-) 5,827E+06 (A)	114,3 79,6	(-) 1,055E+07 (A) (-) 1,012E+07 (A)	94,9 91,0	(-) 4,567E+06 (A) (-) 5,057E+06 (A)	91,1 100,8
	II	139.579 153.852	n.b. n.b. 2,022E+04 (A) 2,095E+07 (A)		n.b. n.b. 1,070E+05 (A) 1,595E+07 (A)		n.b. n.b. (-) 3,047E+06 (A)		n.b. n.b. (-) 8,766E+06 (A)		n.b. n.b. (-) 4,947E+06 (A)	
RF_1	I	179.128	5,777E+04 (A) 3,042E+07 (A) 6,905E+04 (A) 2,525E+07 (A)		3,080E+04 (A) 6,395E+06 (A) 2,065E+04 (A) 5,665E+06 (A)		(-) 7,291E+06 (A) (-) 6,529E+06 (A)		(-) 1,089E+07 (A) (-) 9,375E+06 (A)		(-) 4,719E+06 (A) (-) 4,729E+06 (A)	
	II	139.579 153.852	n.b. n.b. (-) 1,653E+07 (A)		n.b. n.b. (-) 5,745E+06 (A)		n.b. n.b. (-) 3,652E+06 (A)		n.b. n.b. (-) 8,151E+06 (A)		n.b. n.b. (-) 4,374E+06 (A)	
RF_2	I	179.128	1,070E+05 (A) 3,264E+07 (A) 9,781E+04 (A) 2,918E+07 (A)		2,803E+04 (A) 7,353E+06 (A) (-) 7,129E+06 (A)		(-) 8,503E+06 (A) (-) 6,969E+06 (A)		(-) 1,271E+07 (A) (-) 1,150E+07 (A)		(-) 5,341E+06 (A) (-) 5,274E+06 (A)	
	II	139.579 153.852	n.b. n.b. 3,214E+04 (A) 1,920E+07 (A)		n.b. n.b. (-) 6,398E+06 (A)		n.b. n.b. (-) 3,796E+06 (A)		n.b. n.b. (-) 9,926E+06 (A)		n.b. n.b. (-) 5,259E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 4 (Patientencode 21870) und Frau 5 (Patientencode 21982)												
BW_1	I	213.422	6,244E+04 (A) 4,017E+07 (A) 8,881E+04 (A) 3,325E+07 (A)	100,4	8,773E+04 (A) 1,986E+07 (A) 3,422E+04 (A) 1,523E+07 (A)	133,1	(-) 7,677E+06 (A) (-) 6,631E+06 (A)	113,5	(-) 1,155E+07 (A) (-) 8,091E+06 (A)	73,9	(-) 5,437E+06 (A) (-) 3,710E+06 (A)	75,5
	II	180.155 162.246	n.b. n.b. 3,814E+04 (A) 2,103E+07 (A)	83,1	n.b. n.b. (-) 1,397E+07 (A)	102,0	n.b. n.b. (-) 6,939E+06 (A)	98,1	n.b. n.b. (-) 6,910E+06 (A)	51,8	n.b. n.b. (-) 3,860E+06 (A)	51,5
BW_2	I	213.422	8,728E+04 (A) 3,088E+07 (A) 5,348E+04 (A) 2,332E+07 (A)	77,2	5,284E+04 (A) 1,463E+07 (A) 7,708E+04 (A) 1,078E+07 (A)	98,0	(-) 5,523E+06 (A) (-) 4,072E+06 (A)	81,7	(-) 8,894E+06 (A) (-) 7,807E+06 (A)	56,9	(-) 4,074E+06 (A) (-) 3,898E+06 (A)	56,5
	II	180.155 162.246	n.b. n.b. (-) 1,494E+07 (A)	58,3	n.b. n.b. (-) 9,955E+06 (A)	72,2	n.b. n.b. (-) 1,962E+06 (A)	60,2	n.b. n.b. (-) 6,760E+06 (A)	49,9	n.b. n.b. (-) 3,753E+06 (A)	54,1
RF_1	I	213.422	1,243E+05 (A) 4,119E+07 (A) 7,330E+04 (A) 3,557E+07 (A)		1,187E+05 (A) 1,689E+07 (A) 6,468E+04 (A) 1,485E+07 (A)		(-) 8,112E+06 (A) (-) 6,381E+06 (A)		(-) 1,660E+07 (A) (-) 1,522E+07 (A)		(-) 7,495E+06 (A) (-) 7,187E+06 (A)	
	II	180.155 162.246	n.b. n.b. 3,907E+04 (A) 2,255E+07 (A)		n.b. n.b. 6,903E+04 (A) 1,381E+07 (A)		n.b. n.b. (-) 6,543E+06 (A)		n.b. n.b. (-) 1,365E+07 (A)		n.b. n.b. (-) 6,689E+06 (A)	
RF_2	I	213.422	1,329E+05 (A) 4,568E+07 (A) 9,933E+04 (A) 3,759E+07 (A)		1,415E+05 (A) 1,506E+07 (A) 6,659E+04 (A) 1,290E+07 (A)		(-) 7,034E+06 (A) (-) 5,521E+06 (A)		(-) 1,641E+07 (A) (-) 1,430E+07 (A)		(-) 7,617E+06 (A) (-) 6,522E+06 (A)	
	II	180.155 162.246	n.b. n.b. (-) 2,458E+07 (A)		n.b. n.b. (-) 1,167E+07 (A)		n.b. n.b. (-) 5,797E+06 (A)		n.b. n.b. (-) 1,252E+07 (A)		n.b. n.b. (-) 6,304E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2- d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2- d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO- E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 1 (Patientencode 14116) und Frau 30 (Patientencode W006)												
BW_1	I	203.537	5,693E+04 (A) 3,496E+07 (A) 8,080E+04 (A) 3,117E+07 (A)	107,7	4,985E+04 (A) 1,394E+07 (A) 1,122E+05 (A) 1,370E+07 (A)	129,0	(-) 6,474E+06 (A) (-) 5,451E+06 (A)	85,5	(-) 9,028E+06 (A) (-) 8,884E+06 (A)	76,6	(-) 4,612E+06 (A) (-) 3,912E+06 (A)	89,8
	II	233.760 170.609	n.b. n.b. 5,274E+04 (A) 1,946E+07 (A)	96,0	n.b. n.b. 6,179E+04 (A) 1,310E+07 (A)	126,8	n.b. n.b. (-) 2,806E+06 (A)	72,0	n.b. n.b. (-) 7,810E+06 (A)	75,3	n.b. n.b. (-) 4,288E+06 (A)	76,2
BW_2	I	203.537	7,519E+04 (A) 2,509E+07 (A) 2,843E+04 (A) 2,061E+07 (A)	77,3 63,5	1,027E+05 (A) 1,245E+07 (A) 6,654E+04 (A) 1,035E+07 (A)	115,2 95,8	(-) 4,558E+06 (A) (-) 3,372E+06 (A)	60,2 44,5	(-) 7,577E+06 (A) (-) 6,543E+06 (A)	64,3 55,5	(-) 3,741E+06 (A) (-) 3,169E+06 (A)	72,8 61,7
	II	233.760 170.609	n.b. n.b. (-) 1,378E+07 (A)		n.b. n.b. (-) 1,036E+07 (A)		n.b. n.b. (-) 1,707E+06 (A)		n.b. n.b. (-) 5,532E+06 (A)		n.b. n.b. (-) 3,326E+06 (A)	
RF_1	I	203.537	7,777E+04 (A) 3,501E+07 (A) 6,356E+04 (A) 3,390E+07 (A)		5,960E+04 (A) 6,421E+06 (A) 2,370E+04 (A) 6,117E+06 (A)		(-) 8,693E+06 (A) (-) 7,708E+06 (A)		(-) 1,160E+07 (A) (-) 1,042E+07 (A)		(-) 5,311E+06 (A) (-) 4,704E+06 (A)	
	II	233.760 170.609	n.b. n.b. (-) 2,194E+07 (A)		n.b. n.b. (-) 1,036E+07 (A)		n.b. n.b. (-) 4,039E+06 (A)		n.b. n.b. (-) 9,051E+06 (A)		n.b. n.b. (-) 4,661E+06 (A)	
RF_2	I	203.537	6,480E+04 (A) 3,154E+07 (A) 4,680E+04 (A) 2,941E+07 (A)		6,195E+04 (A) 1,496E+07 (A) 1,237E+05 (A) 1,572E+07 (A)		(-) 7,568E+06 (A) (-) 6,312E+06 (A)		(-) 1,281E+07 (A) (-) 1,233E+07 (A)		(-) 5,644E+06 (A) (-) 4,887E+06 (A)	
	II	233.760 170.609	n.b. n.b. (-) 1,914E+07 (A)		n.b. n.b. (-) 6,697E+04 (A) 1,445E+07 (A)		n.b. n.b. (-) 3,580E+06 (A)		n.b. n.b. (-) 1,015E+07 (A)		n.b. n.b. (-) 4,851E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 2 (Patientencode 21640) und Frau 11 (Patientencode 22037)												
BW_1	I	254.630	1,769E+05 (A) 5,731E+07 (A) 1,308E+05 (A) 4,702E+07 (A)	137,5	1,912E+05 (A) 2,485E+07 (A) 1,492E+05 (A) 2,226E+07 (A)	216,4	(-) 1,196E+07 (A) (-) 1,675E+06 (A)	115,3	(-) 1,816E+07 (A) (-) 1,560E+07 (A)	106,9	(-) 8,542E+06 (A) (-) 6,926E+06 (A)	113,8
	II	261.184 218.315	n.b. n.b. 3,508E+04 (A) 3,137E+07 (A)	112,8	n.b. n.b. (-) 2,074E+07 (A)	193,8	n.b. n.b. (-) 9,225E+05 (A)	16,1	n.b. n.b. (-) 1,313E+07 (A)	91,8	n.b. n.b. (-) 7,483E+06 (A)	92,3
BW_2	I	254.630	1,104E+05 (A) 4,125E+07 (A) 5,852E+04 (A) 3,827E+07 (A)	99,0 91,8	1,064E+05 (A) 1,926E+07 (A) 1,115E+05 (A) 1,659E+07 (A)	167,7 144,5	(-) 8,815E+07 (A) (-) 6,380E+06 (A)	85,0 61,5	(-) 1,353E+07 (A) (-) 1,200E+07 (A)	79,6 70,6	(-) 6,098E+06 (A) (-) 5,784E+06 (A)	81,2 77,0
	II	261.184 218.315	n.b. n.b. 3,417E+04 (A) 2,475E+07 (A)		n.b. n.b. 4,142E+04 (A) 5,669E+05 (A)		n.b. n.b. (-) 3,139E+06 (A)		n.b. n.b. (-) 1,007E+07 (A)		n.b. n.b. (-) 5,652E+06 (A)	
RF_1	I	254.630	5,531E+04 (A) 4,620E+07 (A) 7,326E+04 (A) 4,169E+07 (A)		1,490E+05 (A) 1,484E+07 (A) 6,642E+04 (A) 1,401E+07 (A)		(-) 1,286E+07 (A) (-) 1,031E+07 (A)		(-) 1,785E+07 (A) (-) 1,743E+07 (A)		(-) 8,569E+06 (A) (-) 8,139E+06 (A)	
	II	261.184 218.315	n.b. n.b. (-) 2,713E+07 (A)		n.b. n.b. 5,951E+04 (A) 8,788E+05 (A)		n.b. n.b. (-) 5,715E+06 (A)		n.b. n.b. (-) 1,526E+07 (A)		n.b. n.b. (-) 7,972E+06 (A)	
RF_2	I	254.630	9,887E+04 (A) 4,350E+07 (A) 3,253E+04 (A) 3,531E+07 (A)		3,381E+04 (A) 9,656E+06 (A) 8,817E+04 (A) 7,427E+06 (A)		(-) 1,088E+07 (A) (-) 7,447E+06 (A)		(-) 1,753E+07 (A) (-) 1,514E+07 (A)		(-) 7,015E+06 (A) (-) 6,305E+06 (A)	
	II	261.184 218.315	n.b. n.b. 2,655E+04 (A) 2,267E+07 (A)		n.b. n.b. (-) 7,116E+06 (A)		n.b. n.b. (-) 4,335E+06 (A)		n.b. n.b. (-) 1,259E+07 (A)		n.b. n.b. (-) 6,571E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 13 (Patientencode 22554) und Frau 17												
BW_1	I	173.427	8,901E+04 (A) 3,420E+07 (A) 8,661E+04 (A) 2,746E+07 (A)	65,7	1,020E+05 (A) 2,023E+07 (A) 9,644E+04 (A) 1,686E+07 (A)	195,4	(-) 9,186E+06 (A) (-) 1,215E+06 (A)	64,8	(-) 1,220E+07 (A) (-) 1,146E+07 (A)	65,7	(-) 5,866E+06 (A) (-) 5,558E+06 (A)	63,0
	II	189.185 198.036	n.b. n.b. 2,082E+04 (A) 1,833E+06 (A)	52,8	n.b. n.b. 7,131E+04 (A) 1,559E+07 (A)	162,9	n.b. n.b. (-) 5,674E+05 (A)	8,6	n.b. n.b. (-) 9,789E+06 (A)	61,7	n.b. n.b. (-) 5,570E+06 (A)	59,7
BW_2	I	173.427	1,150E+05 (A) 4,578E+07 (A) 8,065E+04 (A) 3,712E+07 (A)	82,0 71,3	1,239E+05 (A) 1,889E+07 (A) 9,043E+04 (A) 1,570E+07 (A)	182,5 151,7	(-) 1,040E+07 (A) (-) 7,412E+06 (A)	73,3 52,3	(-) 1,361E+07 (A) (-) 1,198E+07 (A)	73,3 64,5	(-) 6,152E+06 (A) (-) 5,566E+06 (A)	66,1 59,8
	II	189.185 198.036	n.b. n.b. (-) 2,395E+07 (A)		n.b. n.b. 9,763E+04 (A) 1,455E+07 (A)		n.b. n.b. (-) 3,958E+06 (A)		n.b. n.b. (-) 1,039E+07 (A)		n.b. n.b. (-) 5,663E+06 (A)	
RF_1	I	173.427	9,352E+04 (A) 5,702E+07 (A) 1,352E+05 (A) 5,250E+07 (A)		8,553E+04 (A) 1,228E+07 (A) 4,411E+04 (A) 1,176E+07 (A)		(-) 1,513E+07 (A) (-) 1,297E+07 (A)		(-) 2,055E+07 (A) (-) 1,775E+07 (A)		(-) 1,005E+07 (A) (-) 8,404E+06 (A)	
	II	189.185 198.036	n.b. n.b. 5,133E+04 (A) 3,393E+07 (A)		n.b. n.b. 3,832E+04 (A) 1,137E+07 (A)		n.b. n.b. (-) 6,274E+07 (A)		n.b. n.b. (-) 1,528E+07 (A)		n.b. n.b. (-) 8,396E+06 (A)	
RF_2	I	173.427	1,192E+05 (A) 5,540E+07 (A) 1,687E+05 (A) 5,159E+07 (A)		4,617E+04 (A) 8,772E+06 (A) 2,934E+04 (A) 8,944E+06 (A)		(-) 1,516E+07 (A) (-) 1,346E+07 (A)		(-) 1,927E+07 (A) (-) 1,668E+07 (A)		(-) 9,496E+06 (A) (-) 9,305E+06 (A)	
	II	189.185 198.036	n.b. n.b. 3,758E+04 (A) 3,162E+07 (A)		n.b. n.b. 3,758E+04 (A) 7,926E+06 (A)		n.b. n.b. (-) 7,080E+06 (A)		n.b. n.b. (-) 1,519E+07 (A)		n.b. n.b. (-) 8,902E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2- d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2- d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO- E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 19 (Patientencode W002) und Frau 25 (Patientencode 3363)												
BW_1	I	183.054	1,397E+05 (A) 3,105E+07 (A) 5,446E+04 (A) 2,385E+07 (A)	69,1	8,755E+04 (A) 1,481E+07 (A) 7,090E+04 (A) 1,148E+07 (A)	107,1	(-) 9,182E+06 (A) (-) 2,834E+06 (A)	66,6	(-) 9,057E+06 (A) (-) 8,244E+06 (A)	53,5	(-) 4,644E+06 (A) (-) 3,659E+06 (A)	48,9
	II	134.102 134.289	n.b. n.b. (-) 1,485E+07 (A)	53,0	n.b. n.b. (-) 1,069E+07 (A)	83,0	n.b. n.b. (-) 1,535E+06 (A)	20,6	n.b. n.b. (-) 6,853E+06 (A)	48,7	n.b. n.b. (-) 3,537E+06 (A)	38,5
BW_2	I	183.054	1,560E+05 (A) 4,868E+07 (A) 1,245E+05 (A) 4,023E+07 (A)	108,3	1,172E+05 (A) 2,603E+07 (A) 7,207E+04 (A) 2,248E+07 (A)	188,2	(-) 1,244E+07 (A) (-) 8,066E+06 (A)	90,3	(-) 1,319E+07 (A) (-) 1,195E+07 (A)	77,9	(-) 5,889E+06 (A) (-) 5,643E+06 (A)	62,0
	II	134.102 134.289	n.b. n.b. 3,584E+04 (A) 2,656E+07 (A)	89,5	n.b. n.b. 1,219E+05 (A) 2,042E+07 (A)	162,5	n.b. n.b. (-) 4,456E+06 (A)	58,5	n.b. n.b. (-) 1,056E+07 (A)	74,2	n.b. n.b. (-) 5,662E+06 (A)	59,4
RF_1	I	183.054	1,240E+05 (A) 5,368E+07 (A) 1,111E+05 (A) 4,647E+07 (A)		7,892E+04 (A) 1,653E+07 (A) 7,350E+04 (A) 1,459E+07 (A)		(-) 1,569E+07 (A) (-) 1,158E+07 (A)		(-) 1,773E+07 (A) (-) 1,582E+07 (A)		(-) 1,016E+07 (A) (-) 8,400E+06 (A)	
	II	134.102 134.289	n.b. n.b. 3,573E+04 (A) 2,926E+06 (A)		n.b. n.b. 7,722E+04 (A) 1,356E+07 (A)		n.b. n.b. (-) 6,556E+06 (A)		n.b. n.b. (-) 1,342E+07 (A)		n.b. n.b. (-) 8,496E+06 (A)	
RF_2	I	183.054	1,950E+05 (A) 5,344E+07 (A) 7,954E+04 (A) 4,345E+07 (A)		3,643E+04 (A) 1,420E+07 (A) 1,070E+05 (A) 1,210E+07 (A)		(-) 1,572E+07 (A) (-) 1,212E+07 (A)		(-) 1,740E+07 (A) (-) 1,680E+07 (A)		(-) 1,066E+07 (A) (-) 8,788E+06 (A)	
	II	134.102 134.289	n.b. n.b. (-) 2,796E+07 (A)		n.b. n.b. (-) 1,141E+07 (A)		n.b. n.b. (-) 6,271E+06 (A)		n.b. n.b. (-) 1,393E+07 (A)		n.b. n.b. (-) 8,590E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2- d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2- d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO- E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 8 (Patientencode 22270)												
BW_1	I	197.434	2,365E+04 (A) 2,241E+07 (A) 4,608E+04 (A) 1,852E+07 (A)	69,0	3,011E+04 (A) 1,189E+07 (A) 4,403E+04 (A) 1,174E+07 (A)	198,3	(-) 2,176E+06 (A) (-) 1,265E+06 (A)	45,9	(-) 6,866E+06 (A) (-) 5,967E+06 (A)	65,6	(-) 3,447E+06 (A) (-) 2,834E+06 (A)	56,8
	II	135.728 143.180	n.b. n.b. (-) 1,559E+07 (A)	57,0	n.b. n.b. (-) 1,348E+07 (A)	195,8	n.b. n.b. (-) 1,191E+06 (A)	26,7	n.b. n.b. (-) 5,795E+06 (A)	57,0	n.b. n.b. (-) 3,193E+06 (A)	46,7
BW_2	I	197.434	2,483E+04 (A) 2,694E+07 (A) 4,064E+04 (A) 2,255E+07 (A)	82,9 69,4	5,029E+04 (A) 1,565E+07 (A) 5,289E+04 (A) 1,439E+07 (A)	261,1 240,0	(-) 2,549E+06 (A) (-) 2,005E+06 (A)	53,8 42,3	(-) 7,481E+06 (A) (-) 6,845E+06 (A)	71,5 65,4	(-) 4,392E+06 (A) (-) 3,044E+06 (A)	72,4 50,2
	II	135.728 143.180	n.b. n.b. (-) 1,807E+07 (A)		n.b. n.b. (-) 1,599E+07 (A)		n.b. n.b. (-) 1,889E+06 (A)		n.b. n.b. (-) 6,517E+06 (A)		n.b. n.b. (-) 3,422E+05 (A)	
RF_1	I	197.434	8,984E+04 (A) 3,775E+07 (A) 4,387E+04 (A) 2,790E+07 (A)		4,805E+04 (A) 6,248E+06 (A) (-) 5,835E+06 (A)		(-) 5,902E+06 (A) (-) 3,705E+06 (A)		(-) 1,217E+07 (A) (-) 9,960E+06 (A)		(-) 6,817E+06 (A) (-) 4,950E+06 (A)	
	II	135.728 143.180	n.b. n.b. (-) 2,248E+07 (A)		n.b. n.b. 4,651E+04 (A) 6,633E+06 (A)		n.b. n.b. (-) 3,607E+06 (A)		n.b. n.b. (-) 9,299E+06 (A)		n.b. n.b. (-) 5,702E+06 (A)	
RF_2	I	197.434	2,642E+04 (A) 3,738E+07 (A) 3,068E+04 (A) 2,696E+07 (A)		6,124E+04 (A) 6,509E+06 (A) (-) 5,388E+06 (A)		(-) 5,763E+06 (A) (-) 3,580E+06 (A)		(-) 1,075E+07 (A) (-) 8,998E+06 (A)		(-) 7,153E+06 (A) (-) 5,353E+06 (A)	
	II	135.728 143.180	n.b. n.b. 3,908E+04 (A) 2,223E+07 (A)		n.b. n.b. (-) 6,132E+06 (A)		n.b. n.b. (-) 3,308E+06 (A)		n.b. n.b. (-) 9,115E+06 (A)		n.b. n.b. (-) 5,660E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 8 (P4/P5/6; Patientencode 22270) und Frau 29 (Patientencode W005)												
BW_1	I	219.792	7,432E+04 (A) 2,831E+07 (A) 4,094E+04 (A) 2,295E+07 (A)	101,2	6,236E+04 (A) 1,259E+07 (A) 3,877E+04 (A) 1,339E+07 (A)	93,8	(-) 8,629E+06 (A) (-) 5,633E+06 (A)	129,0	(-) 9,174E+06 (A) (-) 8,768E+06 (A)	79,3	(-) 4,750E+06 (A) (-) 3,627E+06 (A)	78,7
	II	202.605 149.125	n.b. n.b. (-) 1,481E+07 (A)	82,1	n.b. n.b. (-) 1,241E+07 (A)	99,7	n.b. n.b. (-) 3,053E+06 (A)	84,2	n.b. n.b. (-) 7,209E+06 (A)	75,8	n.b. n.b. (-) 3,810E+06 (A)	60,1
BW_2	I	219.792	1,511E+05 (A) 3,908E+07 (A) 9,956E+04 (A) 3,278E+07 (A)	139,8	9,096E+04 (A) 1,556E+07 (A) 5,307E+04 (A) 1,534E+07 (A)	115,9	(-) 9,696E+06 (A) (-) 6,638E+06 (A)	145,0	(-) 9,356E+06 (A) (-) 9,145E+06 (A)	80,9	(-) 4,308E+06 (A) (-) 3,708E+06 (A)	71,4
	II	202.605 149.125	n.b. n.b. 2,652E+04 (A) 2,179E+07 (A)	117,2	n.b. n.b. 6,598E+04 (A) 1,405E+07 (A)	114,3	n.b. n.b. (-) 3,749E+06 (A)	99,2	n.b. n.b. (-) 7,416E+06 (A)	79,1	n.b. n.b. (-) 3,785E+06 (A)	61,5
RF_1	I	219.792	1,426E+05 (A) 3,231E+07 (A) 2,186E+04 (A) 2,722E+07 (A)		1,101E+05 (A) 1,465E+07 (A) 7,517E+04 (A) 1,374E+07 (A)		(-) 7,967E+06 (A) (-) 5,899E+06 (A)		(-) 1,414E+07 (A) (-) 1,008E+07 (A)		(-) 7,006E+06 (A) (-) 5,224E+06 (A)	
	II	202.605 149.125	n.b. n.b. (-) 1,728E+07 (A)		n.b. n.b. 6,207E+04 (A) 1,269E+07 (A)		n.b. n.b. (-) 3,281E+06 (A)		n.b. n.b. (-) 9,244E+06 (A)		n.b. n.b. (-) 5,547E+06 (A)	
RF_2	I	219.792	1,195E+05 (A) 2,879E+07 (A) 4,164E+04 (A) 2,353E+07 (A)		7,733E+04 (A) 1,285E+07 (A) 5,270E+04 (A) 1,246E+07 (A)		(-) 7,039E+06 (A) (-) 5,849E+06 (A)		(-) 1,179E+07 (A) (-) 1,024E+07 (A)		(-) 6,295E+06 (A) (-) 5,611E+06 (A)	
	II	202.605 149.125	n.b. n.b. 3,269E+04 (A) 1,601E+07 (A)		n.b. n.b. 3,481E+04 (A) 1,096E+07 (A)		n.b. n.b. (-) 3,253E+06 (A)		n.b. n.b. (-) 8,771E+06 (A)		n.b. n.b. (-) 5,355E+06 (A)	

			2-HO-E2		4-HO-E2		16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃
			Qualifier (504_325) (507_328)		Qualifier (504_325) (507_328)		Qualifier (504_324) (507_327)		Qualifier (446_325) (449_328)		Qualifier (446_325) (449_328)	
Blindwertserie - Frau 14 (Patientencode 546) und Frau 16 (Patientencode 22727)												
BW_1	I	230.429	6,744E+04 (A) 3,240E+07 (A) 4,559E+04 (A) 2,524E+07 (A)	100,3	1,125E+05 (A) 1,449E+07 (A) 7,381E+04 (A) 1,409E+07 (A)	221,9	(-) 8,113E+06 (A) (-) 3,713E+06 (A)	115,8	(-) 7,756E+06 (A) (-) 6,495E+06 (A)	69,6	(-) 3,750E+06 (A) (-) 3,480E+06 (A)	65,1
	II	149.323 197.157	n.b. n.b. (-) 1,621E+07 (A)	78,1	n.b. n.b. 3,381E+04 (A) 1,272E+07 (A)	215,8	n.b. n.b. (-) 3,708E+06 (A)	53,0	n.b. n.b. (-) 5,779E+06 (A)	58,3	n.b. n.b. (-) 3,291E+06 (A)	60,4
BW_2	I	230.429	(-) 1,347E+05 (A) (-) 6,290E+04 (A)	0,4 0,2	(-) 9,334E+04 (A) (-) 7,907E+04 (A)	1,4 1,2	(-) (-) (-)	- -	(-) 1,516E+05 (A) (-) 7,672E+04 (A)	1,4 0,7	(-) 3,963E+04 (A) (-) 6,604E+04 (A)	0,7 1,1
	II	149.323 197.157	n.b. n.b. (-) 7,690E+04 (A)		n.b. n.b. (-) 8,096E+04 (A)		n.b. n.b. (-) (-)		n.b. n.b. (-) 6,138E+04 (A)		n.b. n.b. (-) 6,002E+04 (A)	
RF_1	I	230.429	7,584E+04 (A) 3,929E+07 (A) 6,278E+04 (A) 3,364E+07 (A)		3,641E+04 (A) 8,390E+06 (A) 5,051E+04 (A) 7,424E+06 (A)		(-) 9,165E+06 (A) (-) 6,598E+06 (A)		(-) 1,313E+07 (A) (-) 1,121E+07 (A)		(-) 6,732E+06 (A) (-) 6,160E+06 (A)	
	II	149.323 197.157	n.b. n.b. (-) 2,099E+07 (A)		n.b. n.b. 2,797E+04 (A) 6,623E+06 (A)		n.b. n.b. (-) 3,708E+06 (A)		n.b. n.b. (-) 9,445E+06 (A)		n.b. n.b. (-) 5,892E+06 (A)	
RF_2	I	230.429	4,981E+04 (A) 3,014E+07 (A) 6,781E+04 (A) 2,620E+07 (A)		3,849E+04 (A) 5,357E+06 (A) 3,122E+04 (A) 4,950E+06 (A)		(-) 6,979E+06 (A) (-) 5,276E+06 (A)		(-) 1,078E+07 (A) (-) 9,448E+06 (A)		(-) 5,393E+06 (A) (-) 4,768E+06 (A)	
	II	149.323 197.157	n.b. n.b. 4,149E+04 (A) 1,638E+07 (A)		n.b. n.b. (-) 4,781E+06 (A)		n.b. n.b. (-) 2,901E+06 (A)		n.b. n.b. (-) 8,134E+06 (A)		n.b. n.b. (-) 5,020E+06 (A)	

Tab. 4: Absoluten Peakflächen (Counts) des *Quantifier*- und *Qualifier*-Übergangs von E1-Hydroxylierungs- und Methylierungsprodukten (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) der Blindwerte I und II sowie der Referenzlösungen I und II. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analog M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (I_E1_E2_Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. (-): kein integrierbarer Peak vorhanden. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 0, Frau 10 (Patientencode 22342) und Frau 31 (Patientencode 22886)														
BW_1	I	220.317	1,929E+05 (A) 9,434E+07 (A)	115,1	3,107E+05 (A) 3,046E+08 (A)	265,6	(-) 7,646E+06 (A)	113,2	5,620E+04 (A) 2,593E+07 (A)	89,5	1,902E+05 (A) 5,063E+06 (A)	102,9	4,389E+04 (A) 7,062E+06 (A)	106,0
	II	221.427 200.190	1,799E+05 (A) 8,115E+07 (A)	99,0	2,555E+05 (A) 2,230E+08 (A)	194,4	(-) 6,627E+06 (A)	98,1	(-) 2,164E+07 (A)	74,7	1,549E+05 (A) 4,528E+06 (A)	92,0	(-) 6,516E+06 (A)	97,8
BW_2	I	220.317	2,362E+05 (A) 1,113E+08 (A)	135,8	3,163E+05 (A) 2,538E+08 (A)	221,3	(-) 9,803E+06 (A)	145,1	1,056E+05 (A) 3,253E+07 (A)	112,3	3,245E+05 (A) 6,618E+06 (A)	134,5	(-) 8,978E+06 (A)	134,8
	II	221.427 200.190	1,944E+05 (A) 9,164E+07 (A)	111,8	2,239E+05 (A) 2,506E+08 (A)	218,5	(-) 7,589E+06 (A)	112,3	(-) 2,534E+07 (A)	87,5	2,302E+05 (A) 4,824E+06 (A)	98,1	(-) 7,058E+06 (A)	105,9
RF_1	I	220.317	1,184E+05 (A) 7,935E+07 (A)		1,659E+05 (A) 9,364E+07 (A)		(-) 6,605E+06 (A)		1,023E+05 (A) 2,844E+07 (A)		1,678E+05 (A) 4,598E+06 (A)		2,866E+04 (A) 6,205E+06 (A)	
	II	221.427 200.190	1,487E+05 (A) 7,120E+07 (A)		8,191E+04 (A) 1,140E+08 (A)		(-) 5,909E+06 (A)		1,173E+05 (A) 2,339E+07 (A)		1,963E+05 (A) 4,237E+06 (A)		5,424E+04 (A) 6,029E+06 (A)	
RF_2	I	220.317	2,516E+05 (A) 9,421E+07 (A)		1,493E+05 (A) 1,175E+08 (A)		(-) 8,097E+06 (A)		1,235E+05 (A) 3,391E+07 (A)		1,998E+05 (A) 5,651E+06 (A)		5,262E+04 (A) 7,326E+06 (A)	
	II	221.427 200.190	1,575E+05 (A) 8,314E+07 (A)		1,359E+05 (A) 1,336E+08 (A)		(-) 6,415E+06 (A)		1,320E+05 (A) 3,014E+07 (A)		1,633E+05 (A) 5,193E+06 (A)		(-) 7,088E+06 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 3 (Patientencode 21545), Frau 6 (Patientencode 21912) und Frau 18 (Patientencode W001)														
BW_1	I	192.095	1,530E+05 (A) 6,666E+07 (A)	78,8	2,007E+05 (A) 1,941E+08 (A)	95,2	(-) 5,519E+06 (A)	86,0	8,798E+04 (A) 2,048E+07 (A)	84,6	1,662E+05 (A) 4,137E+06 (A)	87,3	(-) 5,196E+06 (A)	79,8
	II	155.403 181.639	6,114E+04 (A) 5,942E+07 (A)	70,3	1,742E+05 (A) 1,713E+08 (A)	84,0	(-) 4,219E+06 (A)	65,7	6,411E+04 (A) 1,523E+07 (A)	62,9	8,953E+04 (A) 2,947E+06 (A)	62,2	(-) 4,007E+06 (A)	61,5
BW_2	I	192.095	8,255E+04 (A) 5,543E+07 (A)	65,5	1,313E+05 (A) 1,557E+08 (A)	76,4	(-) 4,567E+06 (A)	71,2	1,574E+05 (A) 1,642E+07 (A)	67,8	1,066E+05 (A) 3,414E+06 (A)	72,0	(-) 4,949E+06 (A)	76,0
	II	155.403 181.639	1,182E+05 (A) 4,533E+07 (A)	53,6	1,108E+05 (A) 1,289E+08 (A)	63,2	(-) 3,367E+06 (A)	52,5	3,424E+04 (A) 1,213E+07 (A)	50,1	7,350E+04 (A) 2,624E+06 (A)	55,4	(-) 3,760E+06 (A)	57,7
RF_1	I	192.095	1,739E+05 (A) 7,869E+07 (A)	/	1,832E+05 (A) 1,673E+08 (A)	/	(-) 5,909E+06 (A)	/	(-) 2,394E+07 (A)	/	2,376E+05 (A) 4,928E+06 (A)	/	(-) 6,744E+06 (A)	/
	II	155.403 181.639	1,419E+05 (A) 7,565E+07 (A)	/	1,930E+05 (A) 1,750E+08 (A)	/	(-) 5,644E+06 (A)	/	8,998E+04 (A) 2,191E+07 (A)	/	1,683E+05 (A) 4,465E+06 (A)	/	(-) 5,745E+06 (A)	/
RF_2	I	192.095	2,006E+05 (A) 9,312E+07 (A)	/	2,866E+05 (A) 2,326E+08 (A)	/	(-) 6,818E+06 (A)	/	1,046E+05 (A) 2,588E+07 (A)	/	1,947E+05 (A) 4,894E+06 (A)	/	(-) 7,016E+06 (A)	/
	II	155.403 181.639	1,822E+05 (A) 9,083E+07 (A)	/	3,663E+05 (A) 2,408E+08 (A)	/	(-) 7,303E+06 (A)	/	1,207E+05 (A) 2,512E+07 (A)	/	1,941E+05 (A) 4,674E+06 (A)	/	(-) 6,555E+06 (A)	/

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 21 (Patientencode 22548) und Frau 26 (Patientencode 22755)														
BW_1	I	172.985	1,210E+05 (A) 8,037E+07 (A)	105,8	2,447E+05 (A) 2,206E+08 (A)	160,8	(-) 5,812E+06 (A)	105,4	1,165E+05 (A) 2,024E+07 (A)	72,0	9,744E+04 (A) 4,075E+06 (A)	82,1	4,575E+04 (A) 5,678E+06 (A)	83,3
	II	137.585 147.095	1,018E+05 (A) 9,353E+07 (A)	123,2	2,020E+05 (A) 2,012E+08 (A)	146,7	(-) 6,963E+06 (A)	126,2	(-) 2,433E+07 (A)	86,5	1,679E+05 (A) 4,627E+06 (A)	93,2	2,858E+04 (A) 6,241E+06 (A)	91,6
BW_2	I	172.985	1,423E+05 (A) 7,814E+07 (A)	102,9	1,475E+05 (A) 2,028E+08 (A)	148,0	(-) 5,663E+06 (A)	102,7	1,050E+05 (A) 1,772E+07 (A)	63,0	1,451E+05 (A) 3,439E+06 (A)	69,3	2,353E+04 (A) 4,796E+06 (A)	70,4
	II	137.585 147.095	2,097E+05 (A) 8,923E+07 (A)	117,5	1,889E+05 (A) 2,141E+08 (A)	156,1	(-) 6,181E+06 (A)	112,1	6,031E+04 (A) 2,109E+07 (A)	75,0	1,374E+05 (A) 3,939E+06 (A)	79,4	(-) 5,595E+06 (A)	82,1
RF_1	I	172.985	1,507E+05 (A) 8,049E+07 (A)		1,822E+05 (A) 1,165E+08 (8)		(-) 5,766E+06 (A)		1,023E+05 (A) 2,895E+07 (A)		1,419E+05 (A) 4,949E+06 (A)		(-) 6,748E+06 (A)	
	II	137.585 147.095	9,286E+04 (A) 7,693E+07 (A)		1,799E+05 (A) 1,378E+08 (A)		(-) 5,495E+06 (A)		6,961E+04 (A) 2,807E+07 (A)		2,121E+05 (A) 4,772E+06 (A)		5,753E+04 (A) 6,281E+06 (A)	
RF_2	I	172.985	1,208E+05 (A) 7,544E+07 (A)		2,836E+05 (A) 1,489E+08 (A)		(-) 5,492E+06 (A)		7,658E+04 (A) 2,769E+07 (A)		1,990E+05 (A) 5,162E+06 (A)		3,692E+04 (A) 7,859E+06 (A)	
	II	137.585 147.095	1,151E+05 (A) 7,089E+07 (A)		1,533E+05 (A) 1,454E+08 (A)		(-) 5,312E+06 (A)		1,054E+05 (A) 2,776E+07 (A)		1,772E+05 (A) 4,967E+06 (A)		4,698E+04 (A) 6,369E+06 (A)	

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 20 (Patientencode S001), Frau 28 (Patientencode 22916) und Frau 32 (Patientencode 23352)														
BW_1	I	172.921	1,504E+05 (A) 6,293E+07 (A)	79,4	1,461E+05 (A) 1,897E+08 (A)	122,5	(-) 4,568E+06 (A)	83,3	1,166E+05 (A) 1,764E+07 (A)	65,8	1,172E+05 (A) 3,453E+06 (A)	80,1	(-) 5,038E+06 (A)	93,9
	II	145.749 140.005	1,279E+05 (A) 5,445E+07 (A)	68,7	2,066E+05 (A) 1,849E+08 (A)	119,4	(-) 3,968E+06 (A)	72,3	(-) 1,537E+07 (A)	57,3	1,294E+05 (A) 3,266E+06 (A)	75,8	(-) 4,213E+06 (A)	78,5
BW_2	I	172.921	1,310E+05 (A) 7,076E+07 (A)	89,2	2,432E+05 (A) 2,056E+08 (A)	132,8	(-) 5,043E+06 (A)	91,9	(-) 1,666E+07 (A)	62,2	8,506E+04 (A) 3,039E+06 (A)	70,5	(-) 4,567E+06 (A)	85,1
	II	145.749 140.005	1,502E+05 (A) 6,050E+07 (A)	76,3	2,470E+05 (A) 1,897E+08 (A)	122,5	(-) 4,389E+06 (A)	80,0	(-) 1,359E+07 (A)	50,7	1,241E+05 (A) 2,567E+06 (A)	59,6	(-) 3,789E+06 (A)	70,6
RF_1	I	172.921	1,385E+05 (A) 9,769E+07 (A)	/	2,465E+05 (A) 1,832E+08 (A)	/	(-) 6,538E+06 (A)	/	6,804E+04 (A) 2,941E+07 (A)	/	2,288E+05 (A) 4,578E+06 (A)	/	3,955E+04 (A) 6,642E+06 (A)	/
	II	145.749 140.005	1,814E+05 (A) 8,734E+07 (A)	/	2,587E+05 (A) 1,925E+08 (A)	/	(-) 5,910E+06 (A)	/	1,673E+05 (A) 2,425E+07 (A)	/	1,385E+05 (A) 4,171E+06 (A)	/	4,329E+04 (A) 5,018E+06 (A)	/
RF_2	I	172.921	7,287E+04 (A) 6,171E+07 (A)	/	9,441E+04 (A) 1,206E+08 (A)	/	(-) 4,616E+06 (A)	/	9,737E+04 (A) 2,431E+07 (A)	/	1,114E+05 (A) 3,813E+06 (A)	/	2,228E+04 (A) 5,126E+06 (A)	/
	II	145.749 140.005	1,912E+05 (A) 7,045E+07 (A)	/	1,381E+05 (A) 1,232E+08 (A)	/	(-) 4,884E+06 (A)	/	1,399E+05 (A) 2,924E+07 (A)	/	1,462E+05 (A) 4,678E+06 (A)	/	(-) 4,678E+06 (A)	/

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 1 (Patientencode 14116), Frau 4 (P4/P5/P5; Patientencode 21870) und Frau 15 (Patientencode W003)														
BW_1	I	175.988	2,014E+05 (A) 8,634E+07 (A)	87,3	3,069E+05 (A) 2,588E+08 (A)	157,3	(-) 7,739E+06 (A)	95,7	6,937E+04 (A) 2,137E+07 (A)	76,1	1,560E+05 (A) 4,284E+06 (A)	82,8	(-) 5,579E+06 (A)	78,5
	II	153.158 148.123	1,382E+05 (A) 8,797E+07 (A)	88,9	2,350E+05 (A) 2,288E+08 (A)	139,1	(-) 7,881E+06 (A)	97,4	9,629E+04 (A) 2,060E+07 (A)	73,4	1,378E+05 (A) 4,041E+06 (A)	78,1	(-) 5,952E+06 (A)	83,8
BW_2	I	175.988	1,873E+05 (A) 8,807E+07 (A)	89,0	3,236E+05 (A) 2,366E+08 (A)	143,9	(-) 7,388E+06 (A)	91,3	4,820E+04 (A) 1,952E+07 (A)	69,5	2,316E+05 (A) 4,361E+06 (A)	84,3	(-) 5,738E+06 (A)	80,8
	II	153.158 148.123	1,666E+05 (A) 7,805E+07 (A)	78,9	3,549E+05 (A) 2,441E+08 (A)	148,4	(-) 6,605E+06 (A)	81,7	8,873E+04 (A) 1,727E+07 (A)	61,5	1,675E+05 (A) 3,610E+06 (A)	69,8	3,308E+04 (A) 4,691E+06 (A)	66,0
RF_1	I	175.988	1,751E+05 (A) 1,043E+08 (A)	/	1,553E+05 (A) 1,220E+08 (A)	/	(-) 8,595E+06 (A)	/	9,721E+04 (A) 2,947E+07 (A)	/	2,998E+05 (A) 5,432E+06 (A)	/	6,678E+04 (A) 7,633E+06 (A)	/
	II	153.158 148.123	1,876E+05 (A) 9,310E+07 (A)	/	1,658E+05 (A) 1,549E+08 (A)	/	(-) 7,253E+06 (A)	/	1,119E+05 (A) 2,530E+07 (A)	/	2,019E+05 (A) 4,927E+06 (A)	/	3,670E+04 (A) 7,330E+06 (A)	/
RF_2	I	175.988	2,191E+05 (A) 1,021E+08 (A)	/	2,538E+05 (A) 1,757E+08 (A)	/	(-) 8,736E+06 (A)	/	1,384E+05 (A) 2,977E+07 (A)	/	1,764E+05 (A) 5,332E+06 (A)	/	2,362E+04 (A) 7,001E+06 (A)	/
	II	153.158 148.123	1,274E+05 (A) 9,618E+07 (A)	/	3,319E+05 (A) 2,053E+08 (A)	/	(-) 7,768E+06 (A)	/	1,265E+05 (A) 2,774E+07 (A)	/	2,574E+05 (A) 5,006E+06 (A)	/	(-) 6,455E+06 (A)	/

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 24 (Patientencode 22960) und Frau 27 (Patientencode 22717)														
BW_1	I	180.734	7,246E+04 (A) 3,935E+07 (A)	42,4	7,130E+04 (A) 8,745E+07 (A)	53,6	(-) 2,964E+06 (A)	43,5	5,164E+04 (A) 1,185E+07 (A)	39,4	1,117E+05 (A) 2,670E+06 (A)	52,0	2,907E+04 (A) 3,787E+06 (A)	51,0
	II	179.880 200.345	1,082E+05 (A) 3,970E+07 (A)	42,8	5,617E+04 (A) 9,244E+07 (A)	56,7	(-) 3,059E+06 (A)	44,9	7,324E+04 (A) 1,304E+07 (A)	43,3	1,176E+05 (A) 2,160E+06 (A)	42,0	3,663E+04 (A) 3,532E+06 (A)	47,5
BW_2	I	180.734	5,114E+04 (A) 4,775E+07 (A)	51,5	8,289E+04 (A) 9,520E+07 (A)	58,3	(-) 3,538E+06 (A)	52,0	7,450E+04 (A) 1,481E+07 (A)	49,2	8,245E+04 (A) 2,962E+06 (A)	57,6	(-) 4,343E+06 (A)	58,5
	II	179.880 200.345	1,179E+05 (A) 4,471E+07 (A)	48,2	1,255E+05 (A) 1,192E+08 (A)	73,1	(-) 3,129E+06 (A)	46,0	3,284E+04 (A) 1,323E+07 (A)	44,0	1,242E+05 (A) 2,788E+06 (A)	54,2	4,143E+04 (A) 4,281E+06 (A)	57,6
RF_1	I	180.734	2,165E+05 (A) 9,435E+07 (A)	/	2,021E+05 (A) 1,514E+08 (A)	/	(-) 6,986E+06 (A)	/	1,118E+05 (A) 3,097E+07 (A)	/	1,861E+05 (A) 5,203E+06 (A)	/	(-) 7,416E+06 (A)	/
	II	179.880 200.345	1,405E+05 (A) 8,082E+07 (A)	/	1,626E+05 (A) 1,487E+08 (A)	/	(-) 6,003E+06 (A)	/	1,337E+05 (A) 2,490E+07 (A)	/	2,071E+05 (A) 4,826E+06 (A)	/	6,599E+04 (A) 6,935E+06 (A)	/
RF_2	I	180.734	1,581E+05 (A) 1,020E+08 (A)	/	1,569E+05 (A) 1,759E+08 (A)	/	(-) 7,136E+06 (A)	/	(-) 3,486E+07 (A)	/	2,190E+05 (A) 5,318E+06 (A)	/	(-) 7,976E+06 (A)	/
	II	179.880 200.345	2,069E+05 (A) 9,385E+07 (A)	/	2,483E+05 (A) 1,767E+08 (A)	/	(-) 7,099E+06 (A)	/	7,257E+04 (A) 2,963E+07 (A)	/	1,462E+05 (A) 5,211E+06 (A)	/	5,178E+04 (A) 7,393E+06 (A)	/

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 26 (P4/P5/6; Patientencode 22755) und Frau 29 (P4/P5/P6; Patientencode W005)														
BW_1	I	214.211	2,098E+05 (A) 8,459E+07 (A)	98,7	3,458E+05 (A) 1,655E+08 (A)	126,3	(-) 7,047E+06 (A)	98,2	(-) 2,082E+07 (A)	68,4	1,418E+05 (A) 4,353E+06 (A)	76,3	(-) 5,872E+06 (A)	75,5
	II	192.906 143.742	1,309E+05 (A) 8,792E+07 (A)	102,6	3,125E+05 (A) 2,971E+08 (A)	226,8	(-) 7,280E+06 (A)	101,4	(-) 2,079E+07 (A)	68,3	2,290E+05 (A) 4,337E+06 (A)	76,1	(-) 5,927E+06 (A)	76,2
BW_2	I	214.211	2,351E+05 (A) 8,778E+07 (A)	102,5	2,273E+05 (A) 1,813E+08 (A)	138,4	(-) 7,630E+06 (A)	106,3	1,111E+05 (M) 2,535E+07 (A)	83,3	2631E+05 (A) 4,807E+06 (A)	84,3	(-) 7,776E+06 (A)	100,0
	II	192.906 143.742	1,768E+05 (A) 8,871E+07 (A)	103,5	3,457E+05 (A) 2,944E+08 (A)	224,7	(-) 7,104E+06 (A)	98,9	1,814E+05 (A) 2,555E+07 (A)	83,9	1,854E+05 (A) 5,360E+06 (A)	94,0	(-) 7,714E+06 (A)	99,2
RF_1	I	214.211	1,105E+05 (A) 6,798E+07 (A)	/	1,081E+05 (A) 7,426E+07 (A)	/	(-) 6,205E+06 (A)	/	8,545E+04 (A) 2,594E+07 (A)	/	1,842E+05 (A) 5,128E+06 (A)	/	2,403E+04 (A) 6,869E+06 (A)	/
	II	192.906 143.742	1,163E+05 (A) 7,192E+07 (A)	/	1,408E+05 (A) 1,394E+08 (A)	/	(-) 5,932E+06 (A)	/	9,788E+04 (A) 2,809E+07 (A)	/	2,314E+05 (A) 5,314E+06 (A)	/	2,814E+04 (A) 7,222E+06 (A)	/
RF_2	I	214.211	5,628E+04 (A) 9,621E+07 (A)	/	1,296E+05 (A) 1,141E+08 (A)	/	(-) 8,264E+06 (A)	/	1,416E+05 (A) 3,224E+07 (A)	/	1,980E+05 (A) 6,080E+06 (A)	/	3,180E+04 (A) 8,515E+06 (A)	/
	II	192.906 143.742	2,062E+05 (A) 1,066E+08 (A)	/	1,515E+05 (A) 1,963E+08 (A)	/	(-) 8,307E+06 (A)	/	1,319E+05 (M) 3,551E+07 (A)	/	3,396E+04 (A) 6,287E+06 (A)	/	(-) 8,490E+06 (A)	/

Blindwert bzw. Referenz	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
Blindwertserie - Frau 3 (P4/P5/6; Patientencode 22545) und Frau 19 (P4/P5/P6; Patientencode W002)														
BW_1	I	162.865	1,709E+05 (A) 5,576E+07 (A)	68,3	4,597E+05 (A) 1,603E+08 (A)	153,2	(-) 4,746E+06 (A)	68,3	5,604E+04 (A) 1,188E+07 (A)	43,9	1,514E+05 (A) 2,725E+06 (A)	58,7	(-) 2,714E+06 (A)	43,3
	II	170.435 160.631	1,545E+05 (A) 4,985E+07 (A)	61,1	3,835E+05 (A) 1,547E+08 (A)	147,9	(-) 4,146E+06 (A)	59,7	9,616E+04 (A) 1,066E+07 (A)	39,4	1,525E+05 (A) 2,321E+06 (A)	50,0	(-) 2,884E+06 (A)	46,0
BW_2	I	162.865	1,707E+05 (A) 6,202E+07 (A)	76,0	3,407E+05 (A) 1,973E+08 (A)	188,6	(-) 5,252E+06 (A)	75,6	1,327E+05 (A) 1,332E+07 (A)	49,3	9,499E+04 (A) 2,728E+06 (A)	58,7	2,355E+05 (A) 3,206E+06 (A)	51,1
	II	170.435 160.631	1,603E+05 (A) 5,649E+07 (A)	69,2	3,800E+05 (A) 1,803E+08 (A)	172,3	(-) 4,745E+06 (A)	68,3	8,800E+04 (A) 1,167E+07 (A)	43,2	1,560E+05 (A) 2,387E+06 (A)	51,4	2,533E+04 (A) 2,387E+06 (A)	38,0
RF_1	I	162.865	1,597E+05 (A) 9,661E+07 (A)	/	9,419E+04 (A) 1,022E+08 (A)	/	(-) 8,708E+06 (A)	/	(-) 3,282E+07 (A)	/	2,176E+05 (A) 5,801E+06 (A)	/	(-) 7,365E+06 (A)	/
	II	170.435 160.631	1,704E+05 (A) 8,391E+07 (A)	/	1,502E+05 (A) 1,328E+08 (A)	/	(-) 7,243E+06 (A)	/	9,663E+04 (A) 2,596E+07 (A)	/	1,872E+05 (A) 4,759E+06 (A)	/	2,400E+04 (A) 6,759E+06 (A)	/
RF_2	I	162.865	1,407E+05 (A) 7,667E+07 (A)	/	9,355E+04 (A) 8,292E+07 (A)	/	(-) 6,085E+06 (A)	/	(-) 2,618E+07 (A)	/	9,887E+04 (A) 4,120E+06 (A)	/	(-) 5,662E+06 (A)	/
	II	170.435 160.631	9,487E+04 (A) 6,928E+07 (A)	/	1,464E+05 (A) 1,006E+08 (A)	/	(-) 5,753E+06 (A)	/	9,663E+04 (A) 2,318E+07 (A)	/	1,979E+05 (A) 3,899E+06 (A)	/	4,265E+04 (A) 5,309E+06 (A)	/

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345)	WFR (%) 2-HO-E1- d ₄	Quantifier (430_345)	WFR (%) 4-HO-E1- d ₄	Quantifier (430_286)	WFR (%) 16- α -HO- E1-d ₄	Quantifier (372_342)	WFR (%) 2-MeO- E1-d ₄	Quantifier (372_342)	WFR (%) 4-MeO- E1-d ₄	Quantifier (372_342)	WFR (%) 3-O-Me-2- HO-E1-d ₄
			Qualifier (430_306) (434_308)		Qualifier (430_306) (434_308)		Qualifier (430_286) (434_286)		Qualifier (372_342) (376_346)		Qualifier (372_342) (376_346)		Qualifier (372_357) (376_361)	
Blindwertserie - Frau 7 (Patientencode 19832) und Frau 12 (Patientencode 4322)														
BW_1	I	179.128	1,526E+05 (A) 5,596E+07 (A) 8,303E+04 (A)	101,8	1,840E+05 (A) 1,673E+08 (A) 1,199E+05 (A)	165,7	(-) 3,846E+06 (A) (-)	95,3	(-) 1,327E+07 (A) 2,776E+05 (A)	65,8	8,059E+05 (A) 2,894E+06 (A) 7,252E+05 (A)	77,0	1,031E+05 (A) 4,181E+06 (A) 1,199E+05 (A)	74,0
	II	139.579 153.852	4,224E+07 (A) n.b. n.b. 5,606E+04 (A) 3,856E+07 (A)		76,8		n.b. n.b. 8,240E+04 (A) 5,078E+07 (A)		129,4		n.b. n.b. (-) -		48,3	
BW_2	I	179.128	1,375E+05 (A) 6,757E+07 (A) 8,601E+04 (A)	122,9	2,356E+05 (A) 2,161E+08 (A) 2,119E+05 (A)	214,0	(-) 5,024E+06 (A) (-)	124,5	2,975E+05 (A) 1,630E+07 (A) 3,249E+05 (A)	80,9	1,179E+06 (A) 3,591E+06 (A) 8,649E+05 (A)	95,5	1,267E+05 (A) 4,972E+06 (A) 1,476E+05 (A)	88,0
	II	139.579 153.852	5,913E+07 (A) n.b. n.b. 8,004E+04 (A) 5,523E+07 (A)		107,5		1,763E+08 (A) n.b. n.b. 1,534E+05 (A) 6,805E+07 (A)		174,6		n.b. n.b. (-) -		90,7	
RF_1	I	179.128	1,058E+05 (A) 5,781E+07 (A) 1,054E+05 (A)		1,124E+05 (A) 9,940E+07 (A) 6,956E+04 (A)		(-) 4,089E+06 (A) (-)		2,802E+05 (A) 2,008E+07 (A) 3,951E+05 (A)		1,169E+06 (A) 3,830E+06 (A) 1,144E+06 (A)		2,637E+05 (A) 5,447E+06 (A) 1,958E+05 (A)	
	II	139.579 153.852	4,852E+07 (A) n.b. n.b. 8,454E+04 (A) 4,510E+07 (A)				9,131E+07 (A) n.b. n.b. 4,052E+04 (A) 3,679E+07 (A)				3,946E+06 (A) n.b. n.b. (-) -			
RF_2	I	179.128	9,934E+04 (A) 5,916E+07 (A) 1,112E+05 (A)		5,020E+04 (A) 1,091E+08 (A) 1,532E+05 (A)		(-) 4,129E+06 (A) (-)		4,304E+05 (A) 2,220E+07 (A) 3,806E+05 (A)		1,264E+06 (A) 4,140E+06 (A) 1,221E+06 (A)		1,895E+05 (A) 5,959E+06 (A) 1,705E+05 (A)	
	II	139.579 153.852	5,447E+07 (A) n.b. n.b. 5,227E+04 (A) 5,005E+07 (A)				1,041E+08 (A) n.b. n.b. 2,676E+04 (A) 4,066E+07 (A)				3,971E+06 (A) n.b. n.b. (-) -			

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 4 (Patientencode 21870) und Frau 5 (Patientencode 21982)														
BW_1	I	213.422	1,613E+05 (A) 6,696E+07 (A) 6,924E+04 (A)	117,5	3,081E+05 (A) 2,097E+08 (A) 1,784E+05 (A)	157,1	- 5,153E+06 (A) -	101,4	3,385E+05 (A) 1,751E+07 (A) 2,887E+05 (A)	62,9	1,378E+06 (A) 3,380E+06 (A) 1,001E+06 (A)	68,1	1,542E+05 (A) 4,356E+06 (A) 1,565E+05 (A)	66,1
	II	180.155 162.246	5,812E+07 (A) n.b. n.b. 9,903E+04 (A) 5,309E+07 (A)		102,0		1,819E+08 (A) n.b. n.b. 6,541E+04 (A) 7,113E+07 (A)		136,3		3,577E+06 (A) n.b. n.b. -		70,4	
BW_2	I	213.422	1,235E+05 (A) 5,245E+07 (A) 1,054E+05 (A)	92,0	1,413E+05 (A) 1,569E+08 (A) 1,979E+05 (A)	117,6	- 3,871E+06 (A) -	76,1	1,817E+05 (A) 1,257E+07 (A) 2,863E+05 (A)	45,2	1,011E+06 (A) 2,731E+06 (A) 7,037E+05 (A)	55,0	1,781E+05 (A) 3,261E+06 (A) 1,035E+05 (A)	49,5
	II	180.155 162.246	4,401E+07 (A) n.b. n.b. 4,271E+04 (A) 4,064E+07 (A)		77,2		1,368E+08 (A) n.b. n.b. 9,216E+04 (A) 5,359E+07 (A)		102,5		2,591E+06 (A) n.b. n.b. -		51,0	
RF_1	I	213.422	1,380E+05 (A) 5,139E+06 (A) 1,234E+05 (A)		1,378E+05 (A) 1,106E+07 (A) 1,520E+05 (A)		- 5,139E+06 (A) -		4,641E+05 (A) 2,972E+07 (A) 5,518E+05 (A)		1,885E+06 (A) 5,078E+06 (A) 1,530E+06 (A)		2,602E+05 (A) 6,574E+06 (A) 2,188E+05 (A)	
	II	180.155 162.246	6,544E+07 (A) n.b. n.b. 8,706E+04 (A) 5,944E+07 (A)		1,527E+08 (A) n.b. n.b. 5,144E+04 (A) 5,984E+07 (A)		4,149E+06 (A) n.b. n.b. -		2,632E+07 (A) n.b. n.b. -		1,190E+07 (A) 4,712E+05 (A) 2,942E+07 (A)		4,696E+06 (A) n.b. n.b. 8,554E+05 (A) 2,277E+06 (A)	
RF_2	I	213.422	2,095E+05 (A) 8,294E+07 (A) 1,181E+05 (A)		2,234E+05 (A) 1,993E+08 (A) 1,490E+05 (A)		- 5,995E+06 (A) -		4,712E+05 (A) 2,942E+07 (A) 5,912E+05 (A)		1,837E+06 (A) 5,487E+06 (A) 1,596E+06 (A)		3,248E+05 (A) 6,812E+06 (A) 2,559E+05 (A)	
	II	180.155 162.246	7,442E+07 (A) n.b. n.b. 9,211E+04 (A) 6,831E+07 (A)		1,708E+08 (A) n.b. n.b. 1,170E+05 (A) 6,679E+07 (A)		5,053E+06 (A) n.b. n.b. -		2,588E+07 (A) n.b. n.b. -		2,588E+07 (A) n.b. n.b. -		4,603E+06 (A) n.b. n.b. 8,182E+05 (A) 2,363E+06 (A)	

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 1 (Patientencode 14116) und Frau 30 (Patientencode W006)														
BW_1	I	203.537	1,208E+05 (A) 6,817E+07 (A) 1,049E+05 (A)	102,3	1,383E+05 (A) 1,922E+08 (A) 1,919E+05 (A)	130,5	(-) 4,737E+06 (A) (-)	102,5	3,412E+05 (A) 1,614E+07 (A) 2,275E+05 (A)	70,4	1,134E+06 (A) 3,501E+06 (A) 1,041E+06 (A)	84,6	1,181E+05 (A) 4,719E+06 (A) 1,376E+05 (A)	85,6
	II	233.760 170.609	5,614E+07 (A) n.b. n.b. 1,253E+05 (A) 5,252E+07 (A)		84,3		1,756E+08 (A) n.b. n.b. 8,201E+04 (A) 6,745E+07 (A)		119,2		n.b. n.b. (-) -		86,8	
BW_2	I	203.537	6,170E+04 (A) 4,433E+07 (A) 8,960E+04 (A)	66,5	2,087E+05 (A) 1,431E+08 (A) 1,207E+05 (A)	97,1	(-) 2,991E+06 (A) (-)	64,8	1,587E+05 (A) 1,146E+07 (A) 1,884E+05 (A)	50,0	7,729E+05 (A) 2,476E+06 (A) 6,490E+05 (A)	59,9	8,031E+04 (A) 2,764E+06 (A) (-)	50,1
	II	233.760 170.609	3,344E+07 (A) n.b. n.b. 3,118E+04 (A) 3,101E+07 (A)		50,2		1,141E+08 (A) n.b. n.b. 5,988E+04 (A) 4,431E+07 (A)		77,5		n.b. n.b. (-) -		52,7	
RF_1	I	203.537	1,523E+05 (A) 7,683E+07 (A) 1,567E+05 (A)		1,536E+05 (A) 1,565E+08 (A) 1,057E+05 (A)		(-) 5,519E+06 (A) (-)		4,354E+05 (A) 2,350E+07 (A) 4,406E+05 (A)		1,473E+06 (A) 4,656E+06 (A) 1,137E+06 (A)		2,488E+05 (A) 5,784E+06 (A) 1,519E+05 (A)	
	II	233.760 170.609	7,055E+07 (A) n.b. n.b. 1,012E+05 (A) 6,536E+07 (A)				1,445E+08 (A) n.b. n.b. 3,450E+04 (A) 5,623E+07 (A)				4,767E+06 (A) n.b. n.b. (-) -			
RF_2	I	203.537	7,975E+04 (A) 6,207E+07 (A) 6,548E+04 (A)		1,718E+05 (A) 1,460E+08 (A) 2,215E+05 (A)		(-) 4,551E+06 (A) (-)		4,491E+05 (A) 2,492E+07 (A) 4,461E+05 (A)		1,278E+06 (A) 4,052E+06 (A) 1,285E+06 (A)		2,778E+05 (A) 5,399E+06 (A) 2,818E+05 (A)	
	II	233.760 170.609	5,701E+07 (A) n.b. n.b. 6,497E+04 (A) 5,263E+07 (A)				1,422E+08 (A) n.b. n.b. 6,116E+04 (A) 5,601E+07 (A)				3,640E+06 (A) n.b. n.b. (-) -			

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 2 (Patientencode 21640) und Frau 11 (Patientencode 22037)														
BW_1	I	254.630	2,352E+05 (A) 1,120E+08 (A) 2,123E+05 (A)	125,5	4,544E+05 (A) 3,399E+08 (A) 3,136E+05 (A)	179,6	(-) 8,538E+06 (A) (-)	139,3	4,992E+05 (A) 2,592E+07 (A) 4,350E+05 (A)	92,1	1,872E+06 (A) 5,487E+06 (A) 1,678E+06 (A)	105,4	2,914E+05 (A) 7,933E+06 (A) 2,088E+05 (A)	106,6
	II	261.184 218.315	8,499E+07 (A) n.b. n.b. 1,643E+05 (A) 2,123E+05 (A)		95,3		1,143E+08 (A) n.b. n.b. 1,931E+05 (A) 3,136E+05 (A)		60,4		1,044E+06 (A) n.b. n.b. (-) -		17,0	
BW_2	I	254.630	1,409E+05 (A) 8,619E+07 (A) 1,850E+05 (A)	96,6	2,430E+05 (A) 2,551E+08 (A) 2,099E+05 (A)	134,8	(-) 6,095E+06 (A) (-)	99,5	3,234E+05 (A) 1,830E+07 (A) 2,112E+05 (A)	65,0	1,153E+06 (A) 4,076E+06 (A) 1,088E+06 (A)	78,3	1,971E+05 (A) 5,696E+06 (A) 2,913E+05 (A)	76,5
	II	261.184 218.315	7,193E+07 (A) n.b. n.b. 9,895E+04 (A) 1,850E+05 (A)		80,6		2,174E+08 (A) n.b. n.b. 6,349E+04 (A) 2,099E+05 (A)		114,9		4,586E+06 (A) n.b. n.b. (-) -		74,8	
RF_1	I	254.630	1,211E+05 (A) 1,024E+08 (A) 1,774E+05 (A)		2,109E+05 (A) 2,181E+08 (A) 2,463E+05 (A)		(-) 6,869E+06 (A) (-)		5,878E+05 (A) 2,871E+07 (A) 4,910E+05 (A)		1,813E+06 (A) 5,408E+06 (A) 1,743E+06 (A)		2,238E+05 (A) 7,394E+06 (A) 2,688E+05 (A)	
	II	261.184 218.315	8,825E+07 (A) n.b. n.b. 1,345E+05 (A) 8,261E+07 (A)				1,983E+08 (A) n.b. n.b. 1,231E+05 (A) 7,803E+07 (A)				5,678E+06 (A) n.b. n.b. (-) -			
RF_2	I	254.630	1,187E+05 (A) 8,904E+07 (A) 1,574E+05 (A)		2,023E+05 (A) 1,860E+08 (A) 1,399E+05 (A)		(-) 6,815E+06 (A) (-)		5,497E+05 (A) 2,819E+07 (A) 5,010E+05 (A)		1,628E+06 (A) 5,157E+06 (A) 1,595E+06 (A)		2,438E+05 (A) 7,987E+06 (A) 2,219E+05 (A)	
	II	261.184 218.315	7,717E+07 (A) n.b. n.b. 1,289E+05 (A) 7,016E+07 (A)				1,547E+08 (A) n.b. n.b. 8,215E+04 (A) 6,089E+07 (A)				5,678E+06 (A) n.b. n.b. (-) -			

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier - -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 13 (Patientencode 22554) und Frau 17														
BW_1	I	173.427	9,107E+04 (A) 6,139E+07 (A) 7,444E+04 (A)	57,2	1,920E+05 (A) 2,341E+08 (A) 2,371E+05 (A)	105,7	(-) 4,338E+06 (A) (-)	59,6	4,152E+05 (A) 1,956E+07 (A) 3,314E+05 (A)	75,3	1,142E+06 (A) 4,014E+06 (A) 1,050E+06 (A)	66,1	1,761E+05 (A) 5,402E+06 (A) 1,496E+05 (A)	60,3
	II	189.185 198.036	5,037E+07 (A) n.b. n.b. 5,342E+04 (A) 4,484E+07 (A)		46,9		1,969E+08 (A) n.b. n.b. 1,155E+05 (A) 7,701E+07 (A)		88,9		1,784E+06 (A) n.b. n.b. (-) -		24,5	
BW_2	I	173.427	1,729E+05 (A) 7,272E+07 (A) 7,099E+04 (A)	67,7	2,048E+05 (A) 2,204E+08 (A) 1,447E+05 (A)	99,5	(-) 5,136E+06 (A) (-)	70,6	3,245E+05 (A) 1,887E+07 (A) 2,951E+05 (A)	72,7	1,155E+06 (A) 3,308E+06 (A) 1,016E+06 (A)	54,4	2,093E+05 (A) 4,786E+06 (A) 9,669E+04 (A)	53,4
	II	189.185 198.036	5,948E+07 (A) n.b. n.b. 1,131E+05 (A) 5,478E+07 (A)		55,4		1,853E+08 (A) n.b. n.b. 1,071E+05 (A) 7,255E+07 (A)		83,7		3,785E+06 (A) n.b. n.b. (-) -		52,0	
RF_1	I	173.427	2,332E+05 (A) 1,129E+08 (A) 2,060E+05 (A)		1,523E+05 (A) 2,292E+08 (A) 6,682E+04 (A)		(-) 7,849E+06 (A) (-)		5,934E+05 (A) 2,522E+07 (A) 5,036E+05 (A)		2,084E+06 (A) 6,465E+06 (A) 1,831E+06 (A)		1,223E+05 (A) 9,675E+06 (A) 1,293E+05 (A)	
	II	189.185 198.036	9,961E+07 (A) n.b. n.b. 1,430E+05 (A) 8,919E+07 (A)		1,217E+08 (A) n.b. n.b. 6,158E+04 (A) 8,767E+07 (A)		6,442E+06 (A) n.b. n.b. (-) -		1,010E+07 (A) n.b. n.b. (-) -		2,467E+07 (A) n.b. n.b. (-) 1,010E+07 (A)		5,377E+06 (A) n.b. n.b. 8,377E+05 (A) 2,549E+06 (A)	
RF_2	I	173.427	2,117E+05 (A) 1,135E+08 (A) 1,460E+05 (A)		1,498E+05 (A) 2,193E+08 (A) 2,174E+05 (A)		(-) 7,805E+06 (A) (-)		6,237E+05 (A) 2,629E+07 (A) 4,906E+05 (A)		2,141E+06 (A) 6,154E+06 (A) 2,112E+06 (A)		2,217E+05 (A) 8,927E+06 (A) 2,307E+05 (A)	
	II	189.185 198.036	1,035E+08 (A) n.b. n.b. 1,355E+05 (A) 9,392E+07 (A)		2,155E+08 (A) n.b. n.b. 1,007E+05 (A) 8,499E+07 (A)		7,023E+06 (A) n.b. n.b. (-) -		2,767E+07 (A) n.b. n.b. (-) 1,165E+07 (A)		2,767E+07 (A) n.b. n.b. (-) 1,165E+07 (A)		6,315E+06 (A) n.b. n.b. 1,009E+06 (A) 3,179E+06 (A)	

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier - -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 19 (Patientencode W002) und Frau 25 (Patientencode 3363)														
BW_1	I	183.054	1,085E+05 (A) 5,101E+07 (A) 6,841E+04 (A)	52,7	1,398E+05 (A) 1,573E+08 (A) 1,034E+05 (A)	72,0	(-) 9,700E+06 (A) (-)	75,6	3,858E+05 (A) 1,533E+07 (A) 2,586E+05 (A)	59,6	1,173E+06 (A) 3,185E+06 (A) 8,472E+05 (A)	58,2	1,716E+05 (A) 4,166E+06 (A) 1,562E+05 (A)	53,9
	II	134.102 134.289	3,811E+07 (A) n.b. n.b. 5,800E+04 (A) 3,547E+07 (A)		39,4		1,223E+08 (A) n.b. n.b. 6,445E+04 (A) 4,877E+07 (A)		56,0		3,108E+06 (A) n.b. n.b. (-) -		24,2	
BW_2	I	183.054	1,718E+05 (A) 8,322E+07 (A) 8,363E+04 (A)	86,0	1,689E+05 (A) 2,486E+08 (A) 1,137E+05 (A)	113,7	(-) 1,560E+07 (A) (-)	121,5	4,963E+05 (A) 2,196E+07 (A) 4,899E+05 (A)	85,3	1,662E+06 (A) 3,871E+06 (A) 1,310E+06 (A)	70,8	2,209E+05 (A) 5,550E+06 (A) 1,386E+05 (A)	71,8
	II	134.102 134.289	6,168E+07 (A) n.b. n.b. 4,245E+04 (A) 5,860E+07 (A)		63,7		2,066E+08 (A) n.b. n.b. 7,109E+04 (A) 8,287E+07 (A)		94,5		1,094E+07 (A) n.b. n.b. (-) -		85,2	
RF_1	I	183.054	1,801E+05 (A) 1,030E+08 (A) 1,532E+05 (A)		1,706E+05 (A) 2,447E+08 (A) 2,381E+05 (A)		(-) 1,463E+07 (A) (-)		6,296E+05 (A) 2,618E+07 (A) 5,069E+05 (A)		1,965E+06 (A) 5,653E+06 (A) 1,635E+06 (A)		2,683E+05 (A) 7,654E+06 (A) 2,979E+05 (A)	
	II	134.102 134.289	9,042E+07 (A) n.b. n.b. 1,532E+05 (A) 8,220E+07 (A)		2,208E+08 (A) n.b. n.b. 1,002E+05 (A) 8,660E+07 (A)		1,185E+07 (A) n.b. n.b. (-) -		2,466E+07 (A) n.b. n.b. (-) 1,041E+07 (A)		2,466E+07 (A) n.b. n.b. (-) 1,041E+07 (A)		4,870E+06 (A) n.b. n.b. 8,591E+05 (A) 2,391E+06 (A)	
RF_2	I	183.054	2,742E+05 (A) 1,045E+08 (A) 1,397E+05 (A)		2,755E+05 (A) 2,178E+08 (A) 1,734E+05 (A)		(-) 1,289E+07 (A) (-)		5,610E+05 (A) 2,687E+07 (A) 5,704E+05 (A)		2,140E+06 (A) 6,095E+06 (A) 1,966E+06 (A)		3,089E+05 (A) 8,520E+06 (A) 3,003E+05 (A)	
	II	134.102 134.289	8,911E+07 (A) n.b. n.b. 8,660E+04 (A) 8,118E+07 (A)		1,910E+08 (A) n.b. n.b. 1,321E+05 (A) 7,506E+07 (A)		1,059E+07 (A) n.b. n.b. (-) -		2,523E+07 (A) n.b. n.b. (-) 1,080E+07 (A)		2,523E+07 (A) n.b. n.b. (-) 1,080E+07 (A)		5,260E+06 (A) n.b. n.b. 9,914E+05 (A) 2,630E+06 (A)	

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier (430_286) (434_286)	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 8 (Patientencode 22270)														
BW_1	I	197.434	6,564E+04 (A) 4,562E+07 (A) 5,981E+04 (A)	58,9	8,355E+04 (A) 1,225E+08 (A) 4,429E+04 (A)	69,7	(-) 1,794E+06 (A) (-)	73,3	1,906E+05 (A) 1,260E+07 (A) 2,287E+05 (A)	70,9	9,602E+05 (A) 2,534E+06 (A) 5,989E+05 (A)	71,0	1,730E+05 (A) 3,907E+06 (A) 6,954E+04 (A)	59,5
	II	135.728 143.180	3,834E+07 (A) n.b. n.b. 5,165E+04 (A) 3,063E+07 (A)		49,5		1,223E+08 (A) n.b. n.b. 5,061E+04 (A) 4,191E+07 (A)		69,6		(-) n.b. n.b. (-) -		50,2	
BW_2	I	197.434	5,866E+04 (A) 5,934E+07 (A) 3,321E+04 (A)	76,6	5,983E+04 (A) 1,825E+08 (A) 7,458E+04 (A)	103,8	(-) 2,808E+06 (A) (-)	114,7	1,919E+05 (A) 1,472E+07 (A) 2,078E+05 (A)	82,8	8,224E+05 (A) 2,786E+06 (A) 9,894E+05 (A)	78,1	2,169E+05 (A) 3,723E+06 (A) 6,606E+04 (A)	56,7
	II	135.728 143.180	4,634E+07 (A) n.b. n.b. 2,764E+04 (A) 3,877E+07 (A)		59,8		1,531E+08 (A) n.b. n.b. 3,090E+04 (A) 5,118E+07 (A)		87,1		(-) n.b. n.b. (-) -		84,0	
RF_1	I	197.434	8,774E+04 (A) 8,967E+07 (A) 3,907E+04 (A)		1,096E+05 (A) 1,792E+08 (A) 3,925E+04 (A)		(-) 2,533E+06 (A) (-)		3,917E+05 (A) 1,912E+07 (A) 3,197E+05 (A)		1,147E+06 (A) 3,796E+06 (A) 9,393E+05 (A)		2,007E+05 (A) 7,274E+06 (A) 2,325E+05 (A)	
	II	135.728 143.180	6,559E+07 (A) n.b. n.b. 7,741E+04 (A) 5,472E+07 (A)		5,917E+07 (A)		2,245E+06 (A) n.b. n.b. (-) -		1,667E+07 (A) n.b. n.b. (-) 5,356E+06 (A)		3,390E+06 (A) n.b. n.b. 4,438E+05 (A) 1,497E+06 (A)		5,959E+06 (A) n.b. n.b. (-) 1,125E+06 (A)	
RF_2	I	197.434	5,199E+04 (A) 9,170E+07 (A) 4,299E+04 (A)		6,664E+04 (A) 1,886E+08 (A) 4,377E+04 (A)		(-) 2,869E+06 (A) (-)		4,315E+05 (A) 1,930E+07 (A) 3,757E+05 (A)		1,190E+06 (A) 3,959E+06 (A) 1,013E+06 (A)		2,073E+05 (A) 7,606E+06 (A) 2,281E+05 (A)	
	II	135.728 143.180	6,302E+07 (A) n.b. n.b. 4,667E+04 (A) 5,348E+07 (A)		1,616E+08 (A) n.b. n.b. (-) 5,539E+07 (A)		2,142E+06 (A) n.b. n.b. (-) -		1,599E+07 (A) n.b. n.b. (-) 4,981E+06 (A)		3,126E+06 (A) n.b. n.b. 3,702E+05 (A) 1,233E+06 (A)		5,413E+06 (A) n.b. n.b. (-) 1,136E+06 (A)	

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier (430_286) (434_286)	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 8 (P4/P5/6; Patientencode 22270) und Frau 29 (Patientencode W005)														
BW_1	I	219.792	1,159E+05 (A) 5,034E+07 (A) 1,674E+05 (A)	93,5	1,449E+05 (A) 1,369E+08 (A) 1,670E+05 (A)	114,9	(-) 8,912E+06 (A) (-)	123,9	1,715E+05 (A) 1,690E+07 (A) 2,841E+05 (A)	89,9	1,216E+06 (A) 3,786E+06 (A) 9,310E+05 (A)	96,4	1,715E+05 (A) 5,089E+06 (A) 1,751E+05 (A)	80,1
	II	202.605 149.125	n.b. n.b. 4,660E+04 (A) 3,442E+07 (A)		70,3		n.b. n.b. 5,199E+04 (A) 5,415E+07 (A)		114,9		n.b. n.b. (-) -		101,5	
BW_2	I	219.792	1,131E+05 (A) 6,447E+07 (A) 9,666E+04 (A)	119,7	2,310E+05 (A) 1,646E+08 (A) 1,455E+05 (A)	138,2	(-) 1,027E+07 (A) (-)	142,8	3,290E+05 (A) 1,679E+07 (A) 2,684E+05 (A)	89,3	9,564E+05 (A) 2,981E+06 (A) 8,294E+05 (A)	75,9	(-) 4,424E+06 (A) 1,796E+05 (A)	69,7
	II	202.605 149.125	4,899E+07 (A) n.b. n.b. 5,079E+04 (A) 4,602E+07 (A)		90,9		1,539E+08 (A) n.b. n.b. 6,770E+04 (A) 5,959E+07 (A)		129,2		n.b. n.b. (-) -		119,3	
RF_1	I	219.792	9,261E+04 (A) 6,495E+07 (A) 7,460E+04 (A)		1,353E+05 (A) 1,305E+08 (A) 1,310E+05 (A)		(-) 7,655E+06 (A) (-)		3,255E+05 (A) 2,028E+07 (A) 2,792E+05 (A)		1,518E+06 (A) 4,449E+06 (A) 1,256E+06 (A)		2,132E+05 (A) 7,303E+06 (A) 2,525E+05 (A)	
	II	202.605 149.125	5,044E+07 (A) n.b. n.b. 5,422E+04 (A) 4,632E+07 (A)				1,234E+08 (A) n.b. n.b. 3,519E+04 (A) 4,836E+07 (A)				n.b. n.b. (-) -			
RF_2	I	219.792	1,157E+05 (A) 5,529E+07 (A) 6,313E+04 (A)		7,678E+04 (A) 1,142E+08 (A) 1,423E+05 (A)		(-) 7,044E+06 (A) (-)		4,373E+05 (A) 1,999E+07 (A) 3,248E+05 (A)		1,376E+06 (A) 4,347E+06 (A) 1,186E+06 (A)		1,835E+05 (A) 6,308E+06 (A) 1,495E+05 (A)	
	II	202.605 149.125	4,478E+07 (A) n.b. n.b. 4,524E+04 (A) 4,228E+07 (A)				1,084E+08 (A) n.b. n.b. 3,046E+04 (A) 4,298E+07 (A)				6,903E+06 (A) n.b. n.b. (-) -			

			2-HO-E1		4-HO-E1		16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Blindwert bzw. Referenz	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_345) (434_345)	WFR (%)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)
			Qualifier (430_306) (434_308)	2-HO-E1- d ₄	Qualifier (430_306) (434_308)	4-HO-E1- d ₄	Qualifier -	16- α -HO- E1-d ₄	Qualifier (372_357) (376_361)	2-MeO- E1-d ₄	Qualifier (372_357) (376_361)	4-MeO- E1-d ₄	Qualifier (372_357) (376_361)	3-O-Me-2- HO-E1-d ₄
Blindwertserie - Frau 14 (Patientencode 546) und Frau 16 (Patientencode 22727)														
BW_1	I	230.429	1,080E+05 (A) 5,131E+07 (A) 9,381E+04 (A)	78,7	1,563E+05 (A) 1,343E+08 (A) 7,020E+04 (A)	103,8	(-) 3,642E+06 (A) (-)	84,6	2,035E+05 (A) 1,420E+07 (A) 2,225E+05 (A)	76,3	9,892E+05 (A) 2,964E+06 (A) 7,122E+05 (A)	78,8	(-) 3,980E+06 (A) 1,017E+05 (A)	67,8
	II	149.323 197.157	4,133E+07 (A) n.b. n.b. 7,023E+04 (A) 3,906E+07 (A)		63,4		1,217E+08 (A) n.b. n.b. 6,256E+04 (A) 4,823E+07 (A)		94,1		1,740E+06 (A) n.b. n.b. (-) -		40,4	
BW_2	I	230.429	(-) 1,474E+05 (A) (-)	0,2	(-) 8,345E+05 (A) (-)	0,6	(-) (-) (-)	-	2,128E+04 (A) 6,235E+05 (A) 2,329E+04 (A)	3,4	(-) 2,031E+04 (A) (-)	0,5	(-) 1,113E+05 (A) (-)	1,9
	II	149.323 197.157	1,954E+05 (A) n.b. n.b. (-) 1,441E+05 (A)		0,3		5,346E+05 (A) n.b. n.b. (-) 2,553E+05 (A)		0,4		(-) n.b. n.b. (-) -		-	
RF_1	I	230.429	1,859E+05 (A) 8,234E+07 (A) 1,413E+05 (A)		1,056E+05 (A) 1,510E+08 (A) 1,076E+05 (A)		(-) 5,626E+06 (A) (-)		5,065E+05 (A) 2,106E+07 (A) 4,033E+05 (A)		1,372E+06 (A) 4,517E+06 (A) 1,303E+06 (A)		1,195E+05 (A) 7,003E+06 (A) 1,646E+05 (A)	
	II	149.323 197.157	6,700E+07 (A) n.b. n.b. 1,238E+05 (A) 6,325E+07 (A)		1,398E+08 (A) n.b. n.b. 4,154E+04 (A) 5,516E+07 (A)		4,241E+06 (A) n.b. n.b. (-) -		1,958E+07 (A) n.b. n.b. (-) 8,916E+06 (A)		3,862E+06 (A) n.b. n.b. 5,900E+05 (A) 1,998E+06 (A)		6,215E+06 (A) n.b. n.b. (-) 2,125E+06 (A)	
RF_2	I	230.429	2,979E+04 (A) 6,157E+07 (A) 7,148E+04 (A)		1,226E+05 (A) 1,194E+08 (A) 7,623E+04 (A)		(-) 4,247E+06 (A) (-)		3,741E+05 (A) 1,773E+07 (A) 3,375E+05 (A)		9,531E+05 (A) 3,590E+06 (A) 1,024E+06 (A)		1,830E+05 (A) 5,179E+06 (A) 1,790E+05 (A)	
	II	149.323 197.157	4,978E+07 (A) n.b. n.b. 6,651E+04 (A) 4,677E+07 (A)		1,072E+08 (A) n.b. n.b. 4,035E+04 (A) 4,297E+07 (A)		3,114E+06 (A) n.b. n.b. (-) -		1,606E+07 (A) n.b. n.b. (-) 6,561E+06 (A)		3,080E+06 (A) n.b. n.b. 5,569E+05 (A) 1,558E+06 (A)		5,101E+06 (A) n.b. n.b. (-) 1,327E+06 (A)	

Tab.5: Absolute Peakflächen (PF, Counts) des *Quantifier*- und *Qualifier*-Übergangs von E2 und E1 (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) sowie deren Gehalt in 1 g Brustgewebe. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec. bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analoga M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (I_E1_E2_-Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. (-): Nicht nachgewiesen. n.b. Nicht bestimmt. Für die Berechnung der Wiederfindung wurden die MW der PF aus den jeweiligen Mess-Methoden gebildet und mit dem MW aus der jeweiligen Referenz I und II ins Verhältnis gesetzt und die prozentuale WFR berechnet. (1) NWG < 100.000 Counts, (2) NWG < 60.000 Counts, (3) NWG < 50.000 Counts. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Patientencode 2286 (Frau 31)										
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	<i>Quantifier</i> E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	<i>Quantifier</i> E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXXI	203,4	I	220.317	2,494E+04 (A) 5,164E+05 (A)	37,7	< 0,84	< 0,50	1,799E+05 (M) 1,215E+06 (A)	37,6	0,60
		II	221.427 200.190	2,810E+04 (A) 4,354E+05 (A)	31,8	< 0,95	< 0,60	1,911E+05 (M) 1,197E+06 (A)	37,1	0,65
P2_XXXI	219,8	I	220.317	5,215E+04 (A) 1,137E+06 (A)	83,0	< 0,35	< 0,21	3,632E+05 (A) 2,829E+06 (A)	87,6	0,48
		II	221.427 200.190	4,238E+04 (A) 9,641E+05 (A)	70,4	< 0,41	< 0,25	2,960E+05 (M) 2,337E+06 (A)	72,4	0,48
P3_XXXI	327,9	I	220.317	(-) 1,690E+05 (A)	12,3	< 1,59	< 0,95	1,422E+05 (M) 2,598E+05 (A)	8,0	1,38
		II	221.427 200.190	3,989E+04 (A) 1,244E+05 (A)	9,1	< 2,07	< 1,30	1,017E+05 (M) 2,502E+05 (A)	7,8	1,03

Frau 19

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XIX	202,9	1	183.054	(-) 8,388E+05 (A)	n.b. n.b.	4,8	< 3,5	/	(-) 1,262E+05 (A)	n.b. n.b.	3,7	< 1,62
		2a	134.102	(-) 7,333E+05 (A)	(-) 5,116E+05 (A)	4,6	< 4,0	/	(-) (-)	(-) (-)	-	-
		2b	134.289	(-) 6,128E+05 (A)	(-) 4,243E+05 (A)	4,1	< 4,7	/	(-) 1,098E+05 (A)	(-) (-)	3,8	-
		2c	146.594 126.458	(-) 5,446E+05 (A)	(-) 4,127E+05 (A)	4,0	< 1,6	/	(-) 9,500E+04 (M)	(-) (-)	3,4	< 2,15
P2_XIX	206,2	1	183.054	(-) 2,383E+05 (A)	n.b. n.b.	1,4	< 12,0	/	(-) 6,048E+04 (M)	n.b. n.b.	1,8	< 3,33
		2a	134.102	(-) 2,239E+05 (A)	(-) 1,951E+05 (A)	1,4	< 12,7	/	(-) (-)	(-) (-)	-	-
		2b	134.289	(-) 1,688E+05 (A)	(-) 1,199E+05 (M)	1,1	< 16,9	/	(-) 8,838E+04 (M)	(-) (-)	3,0	< 2,28
		2c	146.594 126.458	(-) 1,447E+05 (A)	(-) 8,514E+04 (M)	1,1	< 19,7	/	(-) (-)	(-) (-)	-	-
P3_XIX	413,1	1	183.054	(-) 6,283E+05 (A)	n.b. n.b.	3,6	< 2,3	/	(-) 6,972E+04 (A)	n.b. n.b.	2,1	< 1,44
		2a	134.102	(-) 5,799E+05 (A)	(-) 3,410E+05 (A)	3,6	< 2,5	/	(-) 1,200E+05 (A)	(-) (-)	3,8	< 0,84
		2b	134.289	(-) 4,055E+06 (A)	(-) 2,926E+05 (A)	2,7	< 3,5	/	(-) 5,458E+04 (A)	(-) (-)	1,8	< 1,84
		2c	146.594 126.458	(-) (-)	(-) (-)	-	-	/	(-) (-)	(-) (-)	-	-

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P4_XIX	207,6	I	162.865	(-) 3,201E+05 (A)	23,8	< 1,33	< 0,80	(-) 6,172E+05 (A)	21,4	< 0,32
		II	170.435	2,052E+04 (A)	22,4	< 1,42	< 0,85	(-)	18,9	< 0,37
			160.631	2,991E+05 (A)				5,457E+05 (A)		
P5_XIX	213,6	I	162.865	3,731E+04 (A) 5,470E+05 (A)	40,7	< 0,75	< 0,45	(-) 1,007E+06 (A)	34,9	< 0,19
		II	170.435	2,291E+04 (A)	35,4	< 0,87	< 0,52	(-)	31,3	< 0,21
			160.631	4,758E+05 (A)				9,056E+05 (A)		
P6_XIX	327,3	I	162.865	(-) 1,266E+05 (A)	9,4	< 2,13	< 1,28	(-) 2,519E+05 (A)	8,7	< 0,50
		II	170.435	(-)	9,4	< 2,13	< 1,28	(-)	7,2	< 0,61
			160.631	1,262E+05 (A)				2,089E+05 (A)		

Patientencode W003 (Frau 15)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XV	209,0	I	175.988	2,531E+04 (A) 6,321E+05 (A)	41,6	< 0,67	< 0,40	6,865E+04 (A) 1,323E+06 (A)	39,6	0,21
		II	153.158	3,266E+04 (A)	36,9	< 0,75	< 0,45	6,205E+04 (A)	36,0	0,20
			148.123	5,608E+05 (A)				1,203E+06 (A)		
P2_XV	216,6	I	175.988	(-) 4,558E+05 (A)	30,0	< 0,89	< 0,54	7,771E+04 (A) 1,055E+06 (A)	31,6	0,28
		II	153.158	3,011E+04 (A)	27,9	< 0,96	< 0,58	(-)	28,0	< 0,20
			148.123	4,242E+05 (A)				9,351E+05 (A)		
P3_XV	321,8	I	175.988	2,186E+04 (A) 7,207E+05 (A)	47,4	< 0,38	< 0,23	1,835E+05 (A) 1,713E+06 (A)	51,2	0,41
		II	153.158	(-)	45,1	< 0,40	< 0,24	1,409E+05 (A)	48,8	0,33
			148.123	6,854E+05 (A)				1,633E+06 (A)		

Patientencode I (Frau 14116)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)	
P1_I	206,2	1	203.537	2,463E+04 (A) 1,427E+06 (A)	n.b. n.b.	13,6	< 2,00	/	(-) 2,754E+05 (A)	n.b. n.b.	10,2	< 0,73	
		2a	233.760	5,556E+04 (A) 1,390E+06 (A)	(-) 7,475E+05 (A)	13,0	< 2,05	/	(-) 2,518E+05 (A)	(-) 6,694E+04 (A)	9,6	< 0,80	
		2b	170.609	(-) 1,307E+06 (A)	(-) 7,674E+05 (A)	11,9	< 2,18	/	(-) 2,650E+05 (A)	(-) 9,329E+05 (A)	10,9	< 0,76	
		2c	169.914	3,315E+04 (A)	(-)					(-)	(-)		
			176.274	1,302E+06 (A)	8,193E+05 (A)	12,8	< 2,19	/	(-) 1,576E+05 (A)	(-) 5,574E+04 (A)	6,6	< 1,28	
P2_I	220,4	1	203.537	(-) 5,173E+05 (A)	n.b. n.b.	4,9	< 5,15	/	(-) 1,025E+05 (A)	n.b. n.b.	3,8	< 1,84	
		2a	233.760	(-) 4,838E+05 (A)	(-) 2,634E+05 (A)	4,5	< 5,51	/	(-) 8,342E+04 (M)	(-) (-)	3,2	< 2,26	
		2b	170.609	(-) 4,447E+05 (A)	(-) 3,098E+05 (A)	4,1	< 5,99	/	(-) 9,688E+04 (A)	(-) (-)	4,0	< 1,95	
		2c	169.914	(-)	(-)					(-)	(-)		
			176.274	4,492E+05 (A)	3,011E+05 (A)	4,4	< 5,94	/	(-) 1,053E+05 (A)	(-) 6,053E+04 (A)	4,4	< 1,79	
P3_I	357,9	1	203.537	(-) 4,816E+05 (A)	n.b. n.b.	4,6	< 3,41	/	(-) 1,348E+05 (A)	n.b. n.b.	5,0	< 0,86	
		2a	233.760	(-) 4,749E+05 (A)	(-) 3,185E+05 (A)	4,5	< 3,46	/	(-) 7,860E+04 (A)	(-) (-)	3,0	< 1,47	
		2b	170.609	(-) 5,145E+05 (A)	(-) 4,055E+05 (A)	4,7	< 3,19	/	(-) 1,161E+05 (M)	(-) 2,443E+04 (A)	4,8	< 1,0	
		2c	169.914	(-)	(-)					(-)	(-)		
			176.274	5,368E+05 (A)	3,440E+05 (A)	5,3	< 3,06	/	(-)	(-)	-	-	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P4_I	202,5	I	175.988	3,490E+04 (A) 3,353E+05 (A)	22,1	< 1,30	< 0,78	(-) 7,107E+05 (A)	21,3	< 0,29
		II	153.158	3,899E+04 (A)	22,6	< 1,27	< 0,76	(A) 6,920E+05 (A)	20,7	< 0,30
			148.123	3,436E+05 (A)						
P5_I	218,0	I	175.988	6,220E+04 (A) 3,313E+05 (A)	21,8	< 1,22	0,76	(-) 6,626E+05 (A)	19,9	< 0,29
		II	153.158	6,894E+04 (A)	17,4	< 1,53	1,05	(A) 5,170E+05 (A)	15,5	< 0,37
			148.123	2,647E+05 (A)						
P6_I	316,3	I	175.988	2,399E+04 (A) 1,644E+05 (A)	10,8	< 1,69	< 1,02	(-) 3,798E+05 (A)	11,4	< 0,35
		II	153.158	2,098E+04 (A)	10,5	< 1,75	< 1,05	(A) 3,131E+05 (A)	9,4	< 0,42
			148.123	1,592E+05 (A)						

Patientencode 22755 (Frau 26)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXVI	206,6	I	172.985	2,287E+05 (A) 6,113E+05 (A)	43,2	1,60	/	1,878E+05 (M) 1,003E+06 (A)	34,1	0,75
		II	137.585 147.095	1,848E+05 (A) 4,613E+05 (A)	36,7	1,71	/	1,689E+05 (M) 7,856E+05 (A)	28,1	0,86
P2_XXVI	221,5	I	172.985	1,120E+05 (A) 5,150E+05 (A)	36,4	0,87	/	2,151E+05 (M) 7,749E+05 (A)	26,3	1,04
		II	137.585 147.095	9,022E+04 (A) 4,730E+05 (A)	37,6	0,76	/	1,813E+05 (M) 7,219E+05 (A)	25,8	0,94
P3_XXVI	328,0	I	172.985	6,725E+04 (A) 3,124E+05 (A)	22,1	< 0,86	0,58	1,772E+05 (M) 6,030E+05 (A)	20,5	0,74
		II	137.585 147.095	8,951E+04 (A) 2,688E+05 (A)	21,4	< 1,00	0,89	2,089E+05 (M) 5,797E+05 (A)	20,7	0,91
P4_XXVI	203,0	I	214.211	1,037E+05 (A) 5,754E+05 (A)	35,8	0,78	/	1,546E+05 (M) 8,278E+05 (A)	25,4	0,76
		II	192.906 143.742	9,045E+04 (A) 6,039E+05 (A)	37,5	0,65	/	1,556E+05 (M) 8,162E+05 (A)	25,1	0,78
P5_XXVI	216,1	I	214.211	(-) 3,421E+04 (A)	2,1	< 11,92	< 7,15	3,147E+04 (A) 5,885E+04 (M)	1,8	< 3,26
		II	192.906 143.742	(-) 2,033E+04 (A)	1,3	< 20,06	< 12,04	(-) 4,811E+04 (M)	1,5	< 3,99
P6_XXVI	326,4	I	214.211	1,309E+05 (A) 2,855E+05 (A)	17,8	1,24	/	2,199E+05 (M) 5,724E+05 (M)	17,6	0,98
		II	192.906 143.742	9,505E+04 (A) 3,102E+05 (A)	19,3	0,83	/	1,841E+05 (M) 6,837E+05 (M)	21,0	0,68

Patientencode W005 (Frau 29)

Proben-nummer	Einwaage (mg)	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E2	Gehalt E1 pmol/g Gewebe (3)
P1_XXIX	203,2	1	219.792	3,477E+05 (A) 3,018E+06 (A)	n.b. n.b.	29,6	3,33	/	1,731E+05 (A) 6,543E+05 (A)	n.b. n.b.	27,9	1,08
		2a	202.605	3,017E+05 (A) 2,538E+06 (A)	2,071E+05 (M) 1,571E+06 (A)	27,5	3,43	/	1,265E+05 (M) 4,453E+05 (A)	2,471E+04 (M) 9,215E+04 (A)	21,5	1,16
		2b	149.125	3,290E+05 (A) 2,208E+06 (A)	1,943E+05 (M) 1,571E+06 (A)	26,5	4,31	/	1,461E+05 (A) 5,167E+05 (A)	9,589E+04 (A) 1,339E+05 (A)	27,9	1,15
		2c	123.886 145.664	2,986E+05 (A) 2,124E+06 (A)	2,163E+05 (M) 1,508E+06 (A)	25,2	4,06	/	1,091E+05 (A) 5,632E+05 (A)	2,606E+04 (A) 1,522E+05 (A)	29,2	0,79
P2_XXIX	210,7	1	219.792	2,259E+05 (A) 5,610E+06 (A)	n.b. n.b.	55,0	1,12	/	2,119E+05 (A) 1,081E+06 (A)	n.b. n.b.	46,1	0,77
		2a	202.605	2,474E+05 (A) 5,111E+06 (A)	1,742E+05 (M) 3,189E+06 (A)	55,5	1,35	/	2,066E+05 (A) 1,062E+06 (A)	4,410E+04 (A) 2,922E+05 (A)	51,3	0,77
		2b	149.125	2,448E+05 (A) 4,622E+06 (A)	1,758E+05 (M) 2,828E+06 (A)	55,6	1,48	/	2,231E+05 (A) 1,040E+06 (A)	6,407E+04 (M) 3,163E+05 (A)	56,1	0,84
		2c	123.886 145.664	1,418E+05 (A) 4,370E+06 (A)	1,470E+05 (M) 2,908E+06 (A)	51,8	0,90	/	2,719E+05 (M) 1,060E+06 (A)	4,507E+04 (A) 2,717E+05 (A)	54,9	1,01
P3_XXIX	406,1	1	219.792	1,418E+06 (A) 2,695E+06 (A)	n.b. n.b.	26,4	7,61	/	3,526E+05 (A) 6,690E+05 (A)	n.b. n.b.	28,5	1,08
		2a	202.605	1,360E+06 (A) 2,397E+06 (A)	9,657E+05 (A) 1,500E+06 (A)	26,0	8,21	/	3,050E+05 (M) 6,410E+05 (A)	6,595E+04 (A) 2,244E+05 (A)	31,0	0,97
		2b	149.125	1,231E+06 (A) 2,392E+06 (A)	9,526E+05 (A) 1,414E+06 (A)	28,8	7,44	/	2,161E+05 (A) 4,031E+05 (A)	1,263E+05 (A) 1,473E+05 (A)	21,7	1,09
		2c	123.886 145.664	1,023E+06 (A) 2,001E+06 (A)	8,350E+05 (A) 1,374E+06 (A)	23,7	7,39	/	2,399E+05 (M) 5,362E+05 (A)	6,297E+04 (M) 1,352E+05 (A)	27,8	0,91

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P4_XXIX	202,5	I	214.211	4,372E+04 (A) 1,284E+05 (A)	8,0	< 3,39	< 2,03	1,121E+05 (M) 3,805E+05 (A)	11,7	1,21
		II	192.906	3,308E+04 (A)	11,2	< 2,41	< 1,45	1,312E+05 (M)	12,7	1,30
			143.742	1,807E+05 (A)				4,125E+05 (A)		
P5_XXIX	207,1	I	214.211	4,419E+04 (A) 2,129E+05 (A)	13,2	< 2,00	< 1,20	6,006E+04 (M) 3,818E+05 (A)	11,7	0,63
		II	192.906	(-)	11,6	< 2,29	< 1,37	8,300E+04 (M)	14,7	0,70
			143.742	1,859E+05 (A)				4,778E+05 (A)		
P6_XXIX	331,5	I	214.211	1,924E+05 (A) 5,549E+05 (A)	34,5	0,92	/	4,400E+05 (A) 1,198E+06 (A)	36,8	0,92
		II	192.906	2,054E+05 (A)	35,1	0,97		4,861E+05 (A)	39,3	0,95
			143.742	5,639E+05 (A)				1,278E+06 (A)		

Patientencode 22548 (Frau 21)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXI	205,6	I	172.985	1,426E+05 (A) 9,095E+05 (A)	64,3	0,67		2,792E+05 (M) 1,808E+06 (A)	61,4	0,67
		II	137.585 147.095	1,228E+05 (A) 8,018E+05 (A)	63,8	0,66		2,730E+05 (M) 1,616E+06 (A)	57,7	0,66
P2_XXI	202,2	I	172.985	4,831E+04 (A) 5,162E+05 (A)	36,5	< 0,84	< 0,51	1,648E+05 (M) 1,704E+06 (A)	57,9	0,51
		II	137.585 147.095	2,179E+04 (A) 5,323E+05 (A)	42,4	< 0,82	< 0,49	1,419E+05 (M) 1,144E+06 (A)	40,9	0,49
P3_XXI	329,1	I	172.985	6,828E+04 (A) 5,625E+05 (A)	39,9	< 0,47	0,32	1,977E+05 (M) 1,020E+06 (A)	34,6	0,32
		II	137.585 147.095	6,063E+04 (A) 4,601E+05 (A)	36,6	< 0,58	0,35	2,622E+05 (M) 1,032E+06 (A)	36,9	0,35

Patientencode S001 (Frau 20)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XX	201,7	I	172.921	4,445E+04 (A) 5,010E+05 (A)	39,5	< 0,87	< 0,52	2,283E+05 (A) 1,445E+06 (A)	51,3	0,65
		II	145.749	(-)		< 0,90	< 0,54	1,733E+05 (M)		0,58
			140.005	4,840E+05 (A)	38,5			1,224E+06 (A)	43,8	
P2_XX	218,0	I	172.921	(-) 5,534E+04 (A)	4,4	< 7,3	< 4,38	(-) 2,248E+05 (A)	8,0	< 0,85
		II	145.749	(-)		< 5,8	< 3,46	(-)		< 1,44
			140.005	7,016E+04 (A)	5,6			1,316E+05 (A)	4,7	
P3_XX	340,3	I	172.921	5,378E+04 (A) 5,433E+05 (A)	42,8	< 0,48	< 0,29	3,586E+05 (M) 1,401E+06 (A)	49,8	0,62
		II	145.749	4,770E+04 (A)		< 0,66	< 0,39	3,120E+05 (A)		0,65
			140.005	3,949E+05 (A)	31,4			1,165E+06 (A)	41,7	

Patientencode 22916 (Frau 28)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXVIII	211,8	I	172.921	8,298E+04 (A) 5,312E+05 (A)	41,8	< 0,78	0,65	4,198E+05 (A) 1,069E+06 (A)	38,0	1,54
		II	145.749 140.005	8,927E+04 (A) 4,367E+05 (A)	34,7	< 0,95	0,85	3,333E+05 (A) 8,861E+05 (A)	31,7	1,47
P2_XXVIII	221,3	I	172.921	1,097E+05 (A) 5,891E+05 (A)	46,4	0,74		4,988E+05 (A) 1,395E+06 (A)	49,6	1,34
		II	145.749 140.005	1,112E+05 (A) 4,672E+05 (A)	37,1	0,95		4,726E+05 (A) 1,150E+06 (A)	41,2	1,54
P3_XXVIII	331,2	I	172.921	1,749E+05 (A) 5,230E+05 (A)	41,2	0,89		7,702E+05 (A) 1,207E+05 (A)	42,9	1,60
		II	145.749 140.005	1,345E+05 (A) 4,782E+05 (A)	38,0	0,75		6,112E+05 (A) 1,087E+06 (A)	38,9	1,41

Patientencode 23352 (Frau 32)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXXII	217,5	I	172.921	6,535E+04 (A) 6,540E+05 (A)	51,5	< 0,62	0,41	5,177E+05 (A) 1,408E+06 (A)	50,0	1,40
		II	145.749	5,783E+04 (A)	48,3	< 0,67	< 0,40	4,031E+05 (A)	42,4	1,30
			140.005	6,072E+05 (A)				1,185E+06 (A)		
P2_XXXII	221,9	I	172.921	1,410E+05 (A) 7,622E+05 (A)	60,0	0,73	/	5,697E+05 (A) 1,832E+06 (A)	65,1	1,16
		II	145.749	1,541E+05 (A)	62,1	0,78		4,816E+05 (A)	55,5	1,16
			140.005	7,809E+05 (A)				1,551E+06 (A)		
P3_XXXII	328,1	I	172.921	2,009E+05 (A) 7,016E+05 (A)	55,3	0,77	/	8,758E+05 (A) 1,785E+06 (A)	63,4	1,24
		II	145.749	1,758E+05 (A)	54,3	0,69		6,801E+05 (A)	52,8	1,17
			140.005	6,828E+05 (A)				1,475E+06 (A)		

Patientencode 22960 (Frau 24)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXIV	202,7	I	180.734	3,350E+04 (A) 6,370E+05 (A)	49,2	< 0,68	< 0,41	1,186E+06 (A) 1,881E+06 (A)	55,7	2,58
		II	179.880 200.345	3,511E+04 (A) 6,860E+05 (A)	58,8	< 0,63	< 0,38	9,469E+05 (A) 1,926E+06 (A)	60,5	2,01
P2_XXIV	218,2	I	180.734	5,582E+04 (A) 5,391E+05 (A)	41,6	< 0,75	< 0,45	5,139E+06 (A) 1,732E+06 (A)	51,3	11,28
		II	179.880 200.345	4,465E+04 (A) 5,132E+05 (A)	44,0	< 0,79	< 0,47	3,900E+06 (A) 1,233E+06 (A)	38,7	12,02
P3_XXIV	339,1	I	180.734	7,024E+04 (A) 6,443E+05 (A)	49,8	< 0,40	0,28	2,037E+06 (A) 2,136E+06 (A)	63,2	2,33
		II	179.880 200.345	4,233E+04 (A) 6,192E+05 (A)	53,0	< 0,42	< 0,18	1,727E+06 (A) 1,910E+06 (A)	60,0	2,21

Patientencode 22717 (Frau 27)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXVII	208,1	I	180.734	3,279E+04 (A) 3,131E+05 (A)	24,2	< 1,35	< 0,81	5,335E+04 (A) 6,104E+05 (A)	18,1	0,35
		II	179.880 200.345	3,096E+04 (A) 3,167E+05 (A)	27,1	< 1,34	< 0,80	6,792E+04 (A) 7,361E+05 (A)	23,1	0,37
P2_XXVII	227,5	I	180.734	3,416E+04 (A) 3,824E+05 (A)	29,5	< 1,01	< 0,61	1,205E+05 (M) 9,788E+05 (A)	29,0	0,45
		II	179.880 200.345	4,637E+04 (A) 3,094E+05 (A)	26,5	< 1,25	< 0,75	1,102E+05 (M) 8,617E+05 (A)	27,1	0,47
P3_XXVII	319,1	I	180.734	3,674E+04 (A) 5,581E+05 (A)	43,1	< 0,49	< 0,30	1,300E+05 (M) 1,079E+06 (A)	31,9	0,31
		II	179.880 200.345	5,034E+04 (A) 4,044E+05 (A)	34,6	< 0,68	< 0,41	7,445E+04 (M) 1,063E+06 (A)	33,4	0,18

Patientencode 21545 (Frau 3)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_III	214,5	I	192.095	4,115E+04 (A) 3,181E+05 (A)	24,3	< 1,29	< 0,78	1,623E+05 (M) 7,217E+05 (A)	22,8	0,87
		II	155.403 181.639	3,690E+04 (A) 2,696E+05 (A)	21,8	< 1,52	< 0,91	1,416E+05 (M) 6,207E+05 (A)	21,7	0,88
P2_III	228,8	I	192.095	7,431E+04 (A) 5,748E+05 (A)	43,8	< 0,67	0,50	3,256E+05 (A) 1,432E+06 (A)	45,3	0,82
		II	155.403 181.639	6,731E+04 (A) 6,116E+05 (A)	49,4	< 0,63	0,42	3,558E+05 (A) 1,209E+06 (A)	42,4	1,07
P3_III	338,8	I	192.095	9,197E+04 (A) 3,429E+05 (A)	26,1	< 0,76	0,70	3,262E+05 (M) 9,747E+05 (A)	30,8	0,82
		II	155.403 181.639	8,326E+04 (A) 4,335E+05 (A)	35,0	< 0,60	0,50	4,243E+05 (M) 1,140E+06 (A)	39,9	0,91
P4_III	210,8	I	162.865	7,799E+04 (A) 5,433E+05 (A)	40,4	< 0,77	0,60	2,646E+05 (A) 1,234E+06 (A)	42,7	0,84
		II	170.435 160.631	9,005E+04 (A) 6,287E+05 (A)	46,8	< 0,67	0,60	2,025E+05 (A) 1,121E+06 (A)	38,8	0,71
P5_III	218,5	I	162.865	2,200E+04 (A) 2,674E+05 (A)	19,9	< 1,51	< 0,90	1,402E+05 (M) 5,599E+05 (A)	19,4	0,95
		II	170.435 160.631	3,500E+04 (A) 2,493E+05 (A)	18,5	< 1,62	< 0,97	1,179E+05 (M) 5,367E+05 (A)	18,6	0,83
P6_III	322,6	I	162.865	4,382E+04 (A) 2,682E+05 (A)	19,9	< 1,02	< 0,61	1,837E+05 (A) 5,233E+05 (A)	18,1	0,90
		II	170.435 160.631	4,100E+04 (A) 2,434E+05 (A)	18,1	< 1,12	< 0,67	1,304E+05 (M) 5,091E+05 (A)	17,6	0,66

Patientencode 21912 (Frau 6)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_VI	208,8	I	192.095	8,499E+04 (A) 3,962E+05 (A)	30,2	< 1,07	0,91	1,427E+05 (M) 9,262E+05 (A)	29,3	0,61
		II	155.403	7,162E+04 (A)	27,7	< 1,23	0,88	1,431E+05 (M)	26,4	0,76
			181.639	3,427E+05 (A)				7,523E+05 (A)		0,76
P2_VI	213,4	I	192.095	5,466E+04 (A) 4,956E+05 (A)	37,8	< 0,83	< 0,50	1,003E+05 (M) 7,975E+05 (A)	25,2	0,49
		II	155.403	4,057E+04 (A)	35,7	< 0,93	< 0,56	1,247E+05 (M)	30,0	0,57
			181.639	4,421E+05 (A)				8,550E+05 (A)		0,57
P3_VI	338,9	I	192.095	1,213E+05 (A) 7,367E+05 (A)	56,2	0,43	/	3,619E+05 (M) 1,740E+06 (A)	55,1	0,51
		II	155.403	1,826E+05 (A)	56,2	0,68		4,254E+05 (M)	69,4	0,53
			181.639	6,966E+05 (A)		1,981E+06 (A)	0,53			

Patientencode 21640 (Frau 2)												
Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_II	206,4	1	254.630	8,024E+04 (A) 5,712E+06 (A)	n.b. n.b.	40,5	< 0,50	/	3,971E+05 (A) 1,331E+06 (A)	n.b. n.b.	45,1	1,20
		2a	261.184	5,980E+04 (A) 4,778E+06 (A)	(-) 2,995E+06 (A)	32,4	< 0,60	/	3,416E+05 (A) 1,156E+06 (A)	1,583E+05 (A) 3,726E+05 (A)	37,7	1,19
		2b	218.315	6,530E+04 (A) 4,864E+06 (A)	(-) 3,248E+06 (A)	36,0	< 0,59	/	3,572E+05 (A) 9,239E+05 (A)	1,124E+05 (A) 2,859E+05 (A)	31,8	1,55
		2c	189.070 141.767	7,517E+04 (A) 4,482E+06 (A)	(-) 2,962E+06 (A)	34,7	< 0,64	/	2,604E+05 (A) 1,031E+06 (A)	1,158E+05 (A) 2,924E+05 (A)	37,3	1,02
P2_II	228,9	1	254.630	1,053E+05 (A) 6,361E+06 (A)	n.b. n.b.	45,0	0,42	/	4,223E+05 (A) 1,434E+06 (A)	n.b. n.b.	48,5	1,07
		2a	261.184	5,775E+04 (M) 5,889E+06 (A)	(-) 4,043E+06 (A)	39,9	0,25	/	4,375E+05 (A) 1,328E+06 (A)	1,293E+05 (A) 3,741E+05 (A)	43,4	1,19
		2b	218.315	7,490E+04 (A) 5,709E+06 (A)	(-) 3,638E+06 (A)	42,3	0,34	/	4,034E+05 (A) 1,056E+06 (A)	(-) 2,835E+05 (A)	36,4	1,38
		2c	189.070 141.767	4,954E+04 (A) 3,744E+06 (A)	(-) 2,399E+06 (A)	29,0	0,34	/	3,079E+05 (A) 7,365E+05 (A)	5,386E+04 (A) 2,651E+05 (A)	26,6	1,51
P3_II	334,4	1	254.630	1,192E+05 (A) 7,625E+06 (A)	n.b. n.b.	54,0	0,27	/	9,331E+05 (A) 1,614E+06 (A)	n.b. n.b.	54,6	1,43
		2a	261.184	7,331E+04 (A) 7,745E+06 (A)	(-) 4,720E+06 (A9)	52,5	0,17	/	8,927E+05 (A) 1,578E+06 (A)	3,240E+05 (A) 5,444E+05 (A)	51,5	1,40
		2b	218.315	1,063E+05 (A) 7,157E+06 (A)	(-) 4,554E+06 (A)	53,0	0,26	/	8,500E+05 (A) 1,389E+06 (A)	2,762E+05 (A) 4,801E+05 (A)	47,8	1,52
		2c	189.070 141.767	8,422E+04 (A) 6,365E+06 (A)	(-) 4,117E+06 (A)	49,3	0,24	/	9,021E+05 (A) 1,330E+06 (A)	2,341E+05 (A) 4,040E+05 (A)	48,1	1,68

Patientencode 19832 (Frau 7)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_VII	212,4	1	179.128	4,851E+04 (A) 7,432E+06 (A)	n.b. n.b.	72,8	< 0,37	/	1,956E+05 (M) 1,860E+06 (A)	n.b. n.b.	78,2	0,41
		2a	139.579	5,486E+04 (A) 7,013E+06 (A)	(-) 4,634E+06 (A)	76,1	< 0,39	/	2,390E+05 (M) 1,692E+06 (A)	4,277E+04 (A) 5,816E+05 (A)	75,1	0,55
		2b	153.852	4,605E+04 (A) 6,780E+06 (A)	(-) 3,974E+06 (A)	72,0	< 0,41	/	1,405E+05 (M) 1,513E+06 (A)	8,112E+04 (A) 4,414E+05 (A)	68,0	0,36
		2c	125.201 167.562	2,275E+04 (A) 5,269E+06 (A)	(-) 3,234E+06 (A)	54,1	< 0,53	/	1,366E+05 (M) 1,285E+06 (A)	(-) 3,364E+05 (A)	55,1	0,42
P2_VII	212,5	1	179.128	(-) 1,916E+05 (A)	n.b. n.b.	1,9	< 14,43	/	(-) (-)	n.b. n.b.	-	-
		2a	139.579	(-) 1,434E+05 (A)	(-) 1,070E+05 (M)	1,6	< 19,28	/	(-) (-)	(-) (-)	-	-
		2b	153.852	(-) 1,655E+05 (A)	(-) 1,264E+05 (A)	1,8	< 16,70	/	(-) (-)	(-) (-)	-	-
		2c	125.201 167.562	(-) 1,995E+05 (A)	(-) 1,262E+05 (M)	2,0	< 13,86	/	(-) (-)	(-) (-)	-	-
P3_VII	352,4	1	179.128	(-) 2,526E+06 (A)	n.b. n.b.	24,8	< 0,66	/	(-) 4,129E+05 (A)	n.b. n.b.	17,4	< 0,29
		2a	139.579	(-) 2,624E+06 (A)	(-) 1,419E+06 (A)	28,5	< 0,64	/	(-) 3,787E+05 (A)	(-) 9,383E+04 (M)	16,8	< 0,31
		2b	153.852	(-) 2,349E+06 (A)	(-) 1,503E+06 (A)	24,9	< 0,71	/	(-) 4,330E+05 (A)	(-) 1,620E+05 (A)	19,5	< 0,27
		2c	125.201 167.562	(-) 2,446E+06 (A)	(-) 1,575E+06 (A)	25,1	< 0,68	/	(-) 4,013E+05 (A)	(-) 6,633E+04 (A)	17,2	< 0,29

Patientencode 4322 (Frau 12)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XII	205,1	1	179.128	3,576E+04 (A) 8,224E+05 (A)	n.b. n.b.	8,1	< 3,48	/	1,752E+05 (M) 2,636E+05 (A)	n.b. n.b.	11,1	2,69
		2a	139.579	2,882E+04 (A) 7,912E+05 (A)	(-) 5,257E+05 (A)	8,6	< 3,62	/	2,036E+05 (M) 2,894E+05 (A)	8,176E+04 (A) 6,996E+04 (A)	12,8	2,84
		2b	153.852	3,764E+04 (A) 8,752E+05 (A)	(-) 5,717E+05 (A)	9,3	< 3,27	/	1,504E+05 (M) 2,152E+05 (A)	6,558E+04 (A) 6,204E+04 (A)	9,7	2,83
		2c	125.201 167.562	4,207E+04 (A) 7,949E+05 (A)	(-) 4,920E+05 (A)	8,2	< 3,60	/	1,881E+05 (M) 2,256E+05 (A)	7,466E+04 (A) 5,740E+04 (A)	9,7	3,37
P2_XII	211,4	1	179.128	(-) 2,207E+05 (A)	n.b. n.b.	2,2	< 12,59	/	(-) 6,992E+04 (M)	n.b. n.b.	2,9	< 2,81
		2a	139.579	(-) 2,359E+05 (A)	(-) 1,215E+05 (M)	2,6	< 11,78	/	(-) (-)	(-) (-)	-	-
		2b	153.852	(-) 1,822E+05 (A)	(-) 1,344E+05 (M)	1,9	< 15,26	/	(-) 9,603E+04 (M)	(-) 4,403E+04 (A)	4,3	< 2,04
		2c	125.201 167.562	(-) 1,681E+05 (A)	(-) 1,228E+05 (M)	1,7	< 16,53	/	(-) 7,871E+04 (M)	(-) (-)	3,4	< 2,49
P3_XII	351,3	1	179.128	4,203E+05 (A) 8,805E+06 (A)	n.b. n.b.	86,3	0,80	/	2,212E+06 (A) 2,212E+06 (A)	n.b. n.b.		2,36
		2a	139.579	4,305E+05 (A) 8,053E+06 (A)	2,050E+05 (M) 4,879E+06 (A)	87,4	0,89	/	1,720E+06 (A) 2,087E+06 (A)	5,049E+05 (A) 5,474E+05 (A)		1,95
		2b	153.852	3,282E+05 (A) 7,491E+06 (A)	2,968E+05 (M) 4,865E+06 (A)	79,6	0,73	/	1,621E+06 (A) 2,124E+06 (A)	4,464E+06 (A) 5,938E+05 (A)		1,80
		2c	125.201 167.562	4,411E+05 (A) 7,899E+06 (A)	2,948E+05 (M) 4,816E+06 (A)	81,1	0,93	/	1,941E+06 (A) 2,164E+06 (A)	5,452E+05 (A) 6,728E+05 (A)		2,12

Patientencode 22554 (Frau 13)

Probennummer	Einwaage (mg)	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)	
P1_XIII	210,3	1	173.427	6,681E+04 (A) 1,462E+06 (A)	n.b. n.b.	9,0	< 1,91	/	7,358E+04 (M) 2,428E+05 (A)	n.b. n.b.	6,8	1,20	
		2a	189.185	7,040E+04 (A) 1,495E+06 (A)	(-) 8,212E+05 (A)	9,4	< 1,87	/	(-) 3,199E+05 (A)	(-) 1,100E+05 (A)	9,0	< 0,62	
		2b	198.036	7,364E+04 (A) 1,336E+06 (A)	(-) 9,305E+05 (A)	8,6	< 2,09	/	6,781E+04 (M) 3,065E+05 (A)	(-) 9,689E+04 (A)	9,3	0,87	
		2c	162.368	5,688E+04 (A)	(-)		< 2,40	/	(-)	(-)			< 0,92
		148.472	1,166E+06 (A)	8,057E+05 (A)	7,8		/	2,146E+05 (A)	4,720E+04 (A)	6,5			
P2_XIII	216,9	1	173.427	1,164E+05 (A) 3,123E+06 (A)	n.b. n.b.	19,2	1,01	/	1,238E+05 (M) 5,147E+05 (A)	n.b. n.b.	14,3	0,92	
		2a	189.185	9,341E+04 (A) 2,874E+06 (A)	(-) 1,930E+06 (A)	18,1	0,88	/	(-) 7,193E+05 (A)	(-) 2,304E+05 (A)	20,2	< 0,27	
		2b	198.036	1,009E+05 (A) 2,871E+06 (A)	(-) 1,842E+06 (A)	18,5	0,95	/	(-) 3,847E+05 (A)	(-) 1,806E+05 (A)	11,7	< 0,50	
		2c	162.368	9,004E+04 (A)	(-)		0,98	/	(-)	(-)			0,34
		148.472	2,477E+06 (A)	1,687E+06 (A)	16,6		/	5,602E+05 (A)	1,797E+05 (A)	16,8			
P3_XIII	401,7	1	173.427	5,376E+04 (A) 1,047E+06 (A)	n.b. n.b.	6,4	< 1,40	/	1,261E+05 (M) 1,868E+05 (A)	n.b. n.b.	5,2	1,39	
		2a	189.185	7,510E+04 (A) 1,099E+06 (A)	(-) 7,346E+05 (A)	6,9	< 1,33	/	8,746E+05 (M) 2,703E+05 (A)	8,478E+04 (A) (-)	7,6	0,67	
		2b	198.036	5,460E+04 (A) 9,917E+05 (A)	(-) 6,610E+05 (A)	6,4	< 1,48	/	(-) 2,393E+05 (A)	(-) 6,416E+04 (A)	7,3	< 0,43	
		2c	162.368	5,871E+04 (A)	(-)		< 1,64	/	1,282E+05 (M)	2,495E+04 (A)			1,44
		148.472	1,099E+06 (A)	5,941E+05 (A)	6,0		/	1,842E+05 (A)	3,364E+04 (A)	5,5			

Patientencode 546 (Frau 14)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XIV	206,3	1	230.429	3,975E+04 (A) 3,687E+06 (A)	n.b. n.b.	37,0	< 0,77	< 0,46	(-) 8,553E+05 (A)	n.b. n.b.	33,6	< 0,24
		2a	149.323	2,469E+04 (A) 3,220E+06 (A)	(-) 1,993E+06 (A)	33,3	< 0,88	< 0,53	(-) 9,667E+05 (A)	(-) 2,671E+05 (A)	38,8	< 0,21
		2b	197.157	2,921E+04 (A) 3,166E+06 (A)	(-) 1,941E+06 (A)	35,0	< 0,90	< 0,54	(-) 7,289E+05 (A)	(-) 1,676E+05 (A)	33,8	< 0,28
		2c	157.220 140.691	(-) 2,762E+06 (A)	(-) 1,773E+06 (A)	32,8	< 1,03	< 0,62	(-) 5,958E+05 (A)	(-) 2,603E+05 (A)	32,6	< 0,34
P2_XIV	212,6	1	230.429	3,487E+04 (A) 3,582E+06 (A)	n.b. n.b.	35,9	< 0,77	< 0,46	(-) 7,959E+05 (A)	n.b. n.b.	31,2	< 0,25
		2a	149.323	2,007E+04 (A) 3,299E+06 (A)	(-) 2,156E+06	34,1	< 0,84	< 0,50	(-) 6,700E+05 (A)	(-) 2,442E+05 (A)	26,9	< 0,29
		2b	197.157	(-) 3,090E+06 (A)	(-) 2,100E+06 (A)	34,2	< 0,89	< 0,54	(-) 5,822E+05 (A)	(-) 1,375E+05 (A)	27,0	< 0,34
		2c	157.220 140.691	5,332E+04 (A) 2,825E+06 (A)	(-) 1,747E+06 (A)	33,6	< 0,98	< 0,59	(-) 6,432E+05 (A)	(-) 1,686E+05 (A)	35,2	< 0,30
P3_XIV	409,6	1	230.429	4,387E+04 (A) 4,065E+06 (A)	n.b. n.b.	40,8	< 0,35	< 0,21	(-) 9,629E+05 (A)	n.b. n.b.	37,8	< 0,11
		2a	149.323	4,323E+04 (A) 3,578E+06 (A)	(-) 2,408E+06 (A)	37,0	< 0,40	< 0,24	(-) 9,145E+05 (A)	(-) 2,151E+05 (M)	36,7	< 0,11
		2b	197.157	3,991E+04 (A) 3,379E+06 (A)	(-) 2,159E+06 (A)	37,3	< 0,42	< 0,25	(-) 8,477E+05 (A)	(-) 2,432E+05 (M)	39,3	< 0,12
		2c	157.220 140.691	3,173E+04 (A) 3,378E+06 (A)	(-) 2,119E+06 (A)	40,1	< 0,42	< 0,25	(-) 7,075E+05 (M)	(-) 1,727E+05 (M)	38,7	< 0,14

Frau 17/XVII

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)	
P1_XVII	206,5	1	173.427	5,353E+04 (A) 6,916E+06 (A)	n.b. n.b.	42,5	< 0,41	/	1,664E+05 (M) 1,735E+06 (A)	n.b. n.b.	48,2	0,39	
		2a	189.185	5,820E+04 (A) 7,101E+06 (A)	(-) 4,286E+06 (A)	44,7	< 0,40	/	1,880E+05 (M) 1,648E+06 (A)	9,600E+04 (A) 3,887E+05 (A)	46,3	0,46	
		2b	198.036	3,526E+04 (A) 6,407E+06 (A)	(-) 4,308E+06 (A)	41,3	< 0,44	/	2,372E+05 (M) 1,590E+06 (A)	(-) 4,589E+05 (A)	48,4	0,60	
		2c	162.368	3,678E+04 (A)	(-)					1,464E+05 (M)	7,877E+04 (A)		
			148.472	6,050E+06 (A)	4,099E+06 (A)	40,5	< 0,47	/	1,371E+06 (A)	4,647E+05 (A)	41,4	0,43	
P2_XVII	212,1	1	173.427	4,216E+04 (A) 4,846E+06 (A)	n.b. n.b.	29,8	< 0,57	/	1,595E+05 (M) 1,097E+06 (A)	n.b. n.b.	30,5	0,57	
		2a	189.185	4,959E+04 (A) 4,411E+06 (A)	(-) 2,967E+06 (A)	27,8	< 0,63	/	1,825E+05 (M) 1,082E+06 (A)	(-) 2,798E+05 (A)	30,4	0,66	
		2b	198.036	6,450E+04 (A) 4,253E+06 (A)	(-) 2,388E+06 (A)	27,4	< 0,65	/	1,137E+05 (M) 9,554E+05 (A)	(-) 3,546E+05 (A)	29,1	0,47	
		2c	162.368	4,785E+04 (A)	(-)					1,523E+05 (M)	(-)		
			148.472	3,733E+06 (A)	2,332E+06 (A)	25,0	< 0,74	/	9,229E+05 (A)	3,126E+05 (A)	27,7	0,65	
P3_XVII	403,1	1	173.427	1,120E+05 (A) 7,179E+06 (A)	n.b. n.b.	44,2	0,23	/	3,605E+05 (M) 1,647E+06 (A)	n.b. n.b.	45,8	0,45	
		2a	189.185	1,055E+05 (A) 6,360E+06 (A)	(-) 4,201E+06 (A)	40,1	0,24	/	3,252E+05 (M) 1,484E+06 (A)	1,266E+05 (M) 4,126E+05 (A)	41,7	0,45	
		2b	198.036	8,197E+04 (A) 5,815E+06 (A)	(-) 3,833E+06 (A)	37,5	0,21	/	3,065E+05 (M) 1,671E+06 (A)	(-) 3,810E+05 (A)	50,9	0,38	
		2c	162.368	1,068E+05 (A)	(-)					3,389E+05 (A)	8,058E+04 (M)		
			148.472	5,933E+06 (A)	3,729E+06 (A)	39,8	0,26	/	1,361E+06 (A)	3,425E+05 (A)	40,9	0,51	

Frau 0

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_0	204,4	I	220.317	1,343E+05 (A) 8,171E+05 (A)	59,6	0,71	3,364E+05 (A) 1,746E+06 (A)	54,1	0,78
		II	221.427	1,461E+05 (A)	60,7	0,76	2,602E+05 (M)	42,6	0,83
			200.190	8,316E+05 (A)		1,374E+06 (A)			
P2_0	205,8	I	220.317	1,361E+05 (A) 9,036E+05 (A)	66,0	0,65	3,998E+05 (A) 1,763E+06 (A)	54,6	0,91
		II	221.427	1,165E+05 (A)	60,0	0,61	3,508E+05 (A)	50,2	0,87
			200.190	8,218E+05 (A)		1,622E+06 (A)			
P3_0	352,5	I	220.317	2,659E+05 (A) 9,159E+05 (A)	66,9	0,73	8,104E+05 (A) 2,336E+06 (A)	72,3	0,82
		II	221.427	2,577E+05 (A)	54,8	0,86	7,277E+05 (A)	60,7	0,87
			200.190	7,512E+05 (A)		1,959E+06 (A)			

Patientencode W001 (Frau 18)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_XVIII	213,5	I	192.095	5,624E+05 (A) 6,699E+05 (A)	51,1	3,47	2,173E+06 (A) 1,764E+06 (A)	55,8	4,79
		II	155.403	4,210E+05 (A)	49,7	2,82	1,900E+06 (A)	57,3	4,52
			181.639	6,154E+05 (A)			1,634E+06 (A)		
P2_XVIII	218,8	I	192.095	6,845E+05 (A) 7,635E+05 (A)	58,2	3,61	3,017E+06 (A) 2,114E+06 (A)	66,9	5,41
		II	155.403	5,834E+05 (A)	62,3	3,05	2,450E+06 (A)	62,3	5,23
			181.639	7,717E+05 (A)			1,777E+06 (A)		
P3_XVIII	341,7	I	192.095	1,473E+05 (A) 1,222E+05 (A)	9,3	3,11	4,295E+05 (A) 2,041E+05 (A)	6,5	5,11
		II	155.403	1,894E+05 (A)	8,3	4,73	3,481E+05 (A)	6,2	4,75
			181.639	1,033E+05 (A)			1,780E+05 (A)		

Patientencode 22342 (Frau 10)

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_X	205,7	I	220.317	1,537E+05 (A)	55,6	0,86	1,586E+05 (M)	49,4	0,40
				7,615E+05 (A)			1,596E+06 (A)		
		II	221.427	1,565E+05 (A)	1,120E+05 (M)				
200.190	6,451E+05 (A)		1,261E+06 (A)	39,1	0,36				
P2_X	207,9	I	220.317	2,961E+05 (A)	62,5	1,47	1,062E+05 (M)	52,9	0,25
				8,563E+05 (A)			1,708E+06 (A)		
		II	221.427	2,736E+05 (A)	1,261E+05 (M)				
200.190	8,345E+05 (A)		1,513E+06 (A)	46,9	0,33				
P3_X	321,6	I	220.317	4,289E+05 (A)	60,2	1,43	2,596E+05 (M)	63,8	0,32
				8,244E+05 (A)			2,061E+06 (A)		
		II	221.427	2,936E+05 (A)	2,832E+05 (M)				
200.190	6,371E+05 (A)		1,837E+06 (A)	56,9	0,40				

Patientencode 21870 (Frau 4)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_IV	205,9	1	213.422	1,419E+05 (A) 5,191E+06 (A)	n.b. n.b.	34,5	0,78	2,162E+06 (A) 9,409E+05 (A)	n.b. n.b.	28,4	9,26
		2a	180.155	2,020E+05 (A) 4,655E+06 (A)	1,212E+05 (M) 2,899E+06 (A)	32,4	1,24	1,672E+06 (A) 8,435E+05 (A)	5,651E+06 (A) 3,119E+05 (A)	27,5	7,98
		2b	162.246	1,375E+05 (A) 5,281E+06 (A)	n.n. 2,862E+06 (A)	38,0	0,74	1,751E+06 (A) 6,917E+05 (A)	4,348E+06 (A) 1,924E+05 (A)	24,7	10,20
		2c	198.132 163.889	1,372E+05 (A) 3,970E+06 (A)	n.n. 2,623E+06 (A)	31,2	0,95	1,535E+06 (A) 7,076E+05 (A)	4,474E+05 (A) 2,022E+05 (A)	28,6	8,74
P2_IV	213,6	1	213.422	2,562E+05 (A) 7,698E+06 (A)	n.b. n.b.	51,2	0,92	2,994E+06 (A) 1,324E+06 (A)	n.b. n.b.	39,9	8,78
		2a	180.155	1,975E+05 (A) 4,909E+06 (A)	1,870E+05 (M) 3,310E+06 (A)	34,1	1,11	1,851E+06 (A) 8,801E+05 (A)	6,102E+05 (A) 3,345E+05 (A)	28,7	8,17
		2b	162.246	1,455E+05 (A) 4,346E+06 (A)	1,877E+05 (M) 2,695E+06 (A)	31,3	0,92	1,835E+06 (A) 7,808E+05 (A)	5,226E+05 (A) 2,402E+05 (A)	27,9	9,13
		2c	198.132 163.889	1,870E+05 (A) 4,068E+06 (A)	n.n. 2,512E+06 (A)	32,0	1,26	1,707E+06 (A) 6,996E+05 (A)	5,408E+05 (A) 2,702E+05 (A)	28,3	9,47
P3_IV	339,9	1	213.422	2,757E+05 (A) 5,706E+06 (A)	n.b. n.b.	38,0	0,83	5,278E+06 (A) 1,025E+06 (A)	n.b. n.b.	30,9	12,56
		2a	180.155	2,873E+05 (A) 5,331E+06 (A)	2,532E+05 (M) 3,452E+06 (A)	37,1	0,93	4,825E+06 (A) 1,037E+06 (A)	1,487E+06 (A) 3,497E+05 (A)	33,8	11,35
		2b	162.246	2,210E+05 (A) 5,099E+06 (A)	2,791E+05 (M) 3,169E+06 (A)	36,7	0,75	4,182E+06 (A) 8,744E+05 (A)	1,076E+06 (A) 2,455E+05 (A)	31,2	11,67
		2c	198.132 163.889	2,212E+05 (A) 4,437E+06 (A)	2,616E+05 (M) 2,906E+05 (A)	34,9	0,86	4,266E+06 (A) 8,172E+05 (A)	1,226E+06 (A) 2,053E+05 (A)	33,0	12,74

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P4_IV	214,5	I	175.988	1,684E+05 (A) 6,236E+05 (A)	41,0	1,11	2,810E+06 (A) 1,105E+06 (A)	33,1	9,83
		II	153.158	1,023E+05 (A)	38,7	0,71	2,379E+06 (A)	32,3	8,53
			148.123	5,884E+05 (A)			1,079E+06 (A)		
P5_IV	217,7	I	175.988	1,685E+05 (A) 6,275E+05 (A)	41,3	1,09	3,916E+06 (A) 1,347E+06 (A)	40,4	11,08
		II	153.158	1,540E+05 (A)	35,0	1,17	3,461E+06 (A)	39,4	10,03
			148.123	5,324E+05 (A)			1,315E+06 (A)		
P6_IV	329,0	I	175.988	2,615E+05 (A) 5,890E+05 (A)	38,8	1,19	5,196E+06 (A) 1,455E+06 (A)	43,6	9,00
		II	153.158	1,892E+05 (A)	37,4	0,89	4,796E+06 (A)	37,8	9,58
			148.123	5,683E+05 (A)			1,262E+06 (A)		

Patientencode 21982 (Frau 5)											
Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_V	209,0	1	213.422	1,160E+05 (A) 4,811E+06 (A)	n.b. n.b.	32,0	0,68	1,604E+05 (M) 9,708E+05 (A)	n.b. n.b.	29,3	0,66
		2a	180.155	1,277E+05 (A) 4,116E+06 (A)	1,463E+05 (M) 2,703E+06 (A)	28,6	0,87	7,552E+04 (M) 9,935E+06 (A)	(-) 2,224E+05 (A)	32,4	0,30
		2b	162.246	1,096E+05 (A) 3,978E+06 (A)	1,255E+05 (M) 2,428E+06 (A)	28,7	0,77	1,392E+05 (M) 7,157E+05 (A)	4,221E+04 (M) 2,518E+05 (A)	25,5	0,77
		2c	198.132 163.889	1,092E+05 (A) 3,600E+06 (A)	1,227E+05 (M) 2,963E+05 (A)	28,3	0,85	1,050E+05 (M) 8,167E+05 (A)	(-) 1,835E+05 (A)	33,0	0,51
P2_V	213,6	1	213.422	1,351E+05 (A) 7,686E+06 (A)	n.b. n.b.	51,2	0,51	2,148E+05 (M) 1,633E+06 (A)	n.b. n.b.	49,3	0,54
		2a	180.155	1,075E+05 (A) 6,986E+06 (A)	1,600E+05 (M) 4,299E+06 (A)	48,6	0,45	2,252E+05 (M) 1,219E+06 (A)	5,222E+04 (M) 3,806E+06 (A)	39,7	0,76
		2b	162.246	1,228E+05 (A) 6,277E+06 (A)	n.n. 3,853E+06 (A)	45,2	0,57	1,165E+05 (M) 1,232E+06 (A)	4,500E+04 (M) 3,747E+05 (A)	44,0	0,39
		2c	198.132 163.889	6,664E+04 (A) 4,434E+06 (A)	n.n. 2,406E+05 (A)	34,8	0,44	1,059E+05 (M) 8,660E+05 (A)	(-) 3,082E+05 (A)	35,0	0,50
P3_V	336,6	1	213.422	1,929E+05 (A) 8,572E+06 (A)	n.b. n.b.	57,1	0,39	2,907E+06 (A) 1,733E+06 (A)	n.b. n.b.	52,3	4,13
		2a	180.155	2,476E+05 (A) 7,929E+06 (A)	1,198E+05 (M) 5,041E+06 (A)	55,1	0,55	2,539E+06 (A) 1,546E+06 (A)	7,763E+05 (A) 4,548E+05 (A)	50,4	4,05
		2b	162.246	1,487E+05 (A) 7,064E+06 (A)	n.n. 4,662E+06 (A)	50,9	0,37	2,398E+06 (A) 1,460E+06 (A)	6,559E+05 (A) 4,309E+05 (A)	52,1	4,05
		2c	198.132 163.889	6,250E+04 (A) 2,255E+06 (A)	n.n. 4,760E+05 (A)	17,7	0,48	5,868E+05 (A) 4,549E+05 (A)	1,800E+05 (A) 1,467E+05 (A)	18,4	3,18

Patientencode 22037 (Frau 11)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (2)
P1_XI	200,2	1	254.630	1,875E+05 (A) 7,112E+06 (A)	n.b. n.b.	50,4	0,77	3,481E+05 (A) 1,358E+06 (A)	n.b. n.b.	46,0	1,06
		2a	261.184	2,011E+05 (A) 6,879E+06 (A)	1,595E+05 (M) 4,503E+06 (A)	46,7	0,86	3,388E+05 (A) 1,248E+06 (A)	1,165E+05 (A) 4,249E+05 (A)	40,8	1,12
		2b	218.315	1,587E+05 (A) 6,736E+06 (A)	n.n. 4,307E+06 (A)	49,9	0,69	3,433E+05 (A) 1,193E+06 (A)	1,136E+05 (A) 3,412E+05 (A)	41,1	1,19
		2c	189.070 141.767	1,537E+05 (A) 6,043E+06 (A)	n.n. 4,137E+06 (A)	46,8	0,75	2,640E+05 (A) 1,135E+06 (A)	1,332E+05 (A) 2,765E+05 (A)	41,1	0,96
P2_XI	215,5	1	254.630	1,315E+05 (A) 5,750E+06 (A)	n.b. n.b.	40,7	0,62	3,211E+05 (A) 1,166E+06 (A)	n.b. n.b.	39,5	1,06
		2a	261.184	1,551E+05 (A) 5,335E+06 (A)	n.n. 3,543E+06 (A)	36,2	0,79	3,654E+05 (M) 9,639E+05 (A)	8,711E+04 (M) 1,845E+05 (M)	31,5	1,46
		2b	218.315	1,478E+05 (A) 4,987E+06 (A)	n.n. 2,969E+06 (A)	37,0	0,81	2,429E+05 (M) 9,247E+05 (A)	(-) 2,702E+05 (A)	31,8	1,01
		2c	189.070 141.767	1,523E+05 (A) 4,429E+06 (A)	n.n. 2,870E+06 (A)	34,3	0,94	1,835E+05 (A) 8,368E+05 (A)	6,991E+04 (A) 2,594E+05 (A)	30,3	0,84
P3_XI	335,9	1	254.630	1,033E+05 (A) 2,593E+06 (A)	n.b. n.b.	18,4	0,70	2,343E+05 (A) 5,703E+05 (A)	n.b. n.b.	19,3	1,01
		2a	261.184	1,230E+05 (A) 2,374E+06 (A)	1,779E+05 (M) 1,592E+06 (A)	16,1	0,91	2,038E+05 (A) 6,168E+05 (A)	(-) 1,548E+05 (A)	20,1	0,82
		2b	218.315	1,665E+05 (A) 2,054E+06 (A)	1,304E+05 (M) 1,487E+06 (A)	15,2	1,42	1,702E+05 (A) 4,624E+05 (A)	9,260E+04 (A) 1,268E+05 (A)	15,9	0,91
		2c	189.070 141.767	9,289E+04 (A) 2,019E+06 (A)	n.n. 1,368E+06 (A)	15,6	0,80	1,644E+05 (A) 3,957E+05 (A)	(-) 9,025E+04 (A)	14,3	1,03

Patientencode 22270 (Frau 8)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	Gehalt E1 pmol/g Gewebe (2)
P1_VIII	219,8	1	197.434	3,494E+05 (A) 2,289E+06 (A)	n.b. n.b.	4,08	5,200E+04 (M) 4,451E+05 (M)	n.b. n.b.	0,44
		2a	135.728	2,622E+05 (A) 2,249E+06 (A)	2,192E+05 (M) 1,381E+06 (A)	3,12	(-) 3,527E+05 (M)	(-) 1,364E+05 (A)	0,53
		2b	143.180	2,848E+05 (A) 1,869E+06 (A)	1,563E+05 (M) 1,189E+06 (A)	4,07	(-) 3,103E+05 (M)	(-) 2,317E+04 (A)	0,61
		2c	122.571	1,687E+05 (A)	1,144E+05 (M)	2,83	4,042E+04 (A)	4,443E+04 (A)	0,86
			150.026	1,591E+06 (A)	9,031E+05 (A)				
P2_VIII	210,6	1	197.434	1,367E+05 (A) 2,649E+06 (A)	n.b. n.b.	1,44	3,172E+05 (A) 6,517E+05 (A)	n.b. n.b.	1,92
		2a	135.728	8,889E+04 (A) 2,372E+06 (A)	9,660E+04 (M) 1,470E+06 (A)	1,05	3,370E+05 (A) 5,676E+05 (A)	1,309E+05 (A) 1,938E+05 (A)	2,34
		2b	143.180	1,369E+05 (A) 1,995E+06 (A)	1,178E+05 (M) 1,272E+06 (A)	1,91	2,938E+05 (A) 3,432E+05 (A)	1,145E+05 (A) 8,675E+04 (A)	3,37
		2c	122.571	1,390E+05 (A)	9,007E+04 (M)	2,05	2,454E+05 (A)	9,324E+04 (A)	3,01
			150.026	1,896E+06 (A)	1,127E+06 (A)				
P3_VIII	413,7	1	197.434	3,205E+05 (A) 3,986E+06 (A)	n.b. n.b.	1,14	2,420E+05 (A) 1,285E+05 (A)	n.b. n.b.	0,38
		2a	135.728	3,051E+05 (A) 3,881E+06 (A)	1,885E+05 (M) 2,192E+06 (A)	1,12	2,761E+05 (A) 1,067E+06 (A)	4,080E+04 (A) 4,214E+05 (A)	0,52
		2b	143.180	3,354E+05 (A) 3,449E+06 (A)	2,393E+05 (M) 2,265E+06 (A)	1,38	2,523E+05 (A) 8,413E+05 (A)	4,102E+04 (A) 3,292E+05 (A)	0,60
		2c	122.571	2,214E+05 (A)	1,259E+05 (M)	1,35	1,958E+05 (A)	6,319E+04 (A)	0,56
			150.026	2,328E+06 (A)	1,489E+06 (A)				

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	Gehalt E1 pmol/g Gewebe (2)
P4_VIII	205,6	1	219.792	1,263E+07 (A) 3,866E+06 (A)	n.b. n.b.	93,34	9,072E+05 (M) 6,561E+05 (A)	n.b. n.b.	5,58
		2a	202.605	1,287E+07 (A) 3,402E+06 (A)	7,663E+06 (A) 2,135E+06 (A)	108,08	(-) 5,443E+05 (A)	(-) 1,815E+05 (A)	< 0,37
		2b	149.125	9,174E+06 (A) 2,637E+06 (A)	6,082E+06 (A) 1,795E+06 (A)	99,40	(-) 5,104E+05 (A)	(-) 1,182E+05 (A)	< 0,40
		2c	123.886 145.664	8,829E+06 (A) 2,721E+06 (A)	6,096E+06 (A) 1,496E+06 (A)	92,70	5,805E+04 (M) 4,339E+05 (A)	n.n. 1,116E+05 (A)	0,54
P5_VIII	209,5	1	219.792	1,561E+08 (A) 4,847E+06 (A)	n.b. n.b.	903,00	2,101E+05 (A) 5,032E+05 (A)	n.b. n.b.	1,65
		2a	202.605	1,305E+08 (A) 3,975E+06 (A)	8,714E+07 (A) 2,429E+06 (A)	920,52	1,480E+05 (A) 4,829E+05 (A)	3,590E+04 (A) 1,116E+05 (A)	1,21
		2b	149.125	1,130E+08 (A) 3,606E+06 (A)	7,668E+07 (A) 2,071E+06 (A)	878,64	1,198E+05 (A) 4,055E+05 (A)	3,248E+04 (A) 1,456E+05 (A)	1,17
		2c	123.886 145.664	5,828E+07 (A) 1,955E+06 (A)	3,950E+07 (A) 1,128E+06 (A)	835,86	1,466E+05 (A) 1,753E+05 (A)	n.n. 7,016E+04 (A)	3,31
P6_VIII	411,1	1	219.792	3,301E+05 (A) 3,281E+06 (A)	n.b. n.b.	1,44	1,459E+05 (M) 7,158E+05 (A)	n.b. n.b.	0,41
		2a	202.605	2,774E+05 (A) 2,855E+06 (A)	1,687E+05 (M) 1,724E+06 (A)	1,39	1,365E+05 (M) 6,860E+05 (A)	4,402E+04 (A) 2,461E+05 (A)	0,40
		2b	149.125	2,067E+05 (A) 2,531E+06 (A)	1,548E+05 (M) 1,578E+06 (A)	1,17	9,613E+04 (M) 6,099E+05 (A)	6,580E+04 (A) 1,247E+05 (A)	0,32
		2c	123.886 145.664	8,970E+04 (A) 8,429E+05 (A)	7,658E+04 (M) 4,058E+05 (A)	1,52	4,324E+04 (A) 1,598E+05 (A)	(-) 5,212E+04 (A)	0,55

Patientencode 22727 (Frau 16)

Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	Gehalt E1 pmol/g Gewebe (2)
P1_XVI	204,6	1	230.429	2,673E+05 (A) 4,865E+06 (A)	n.b. n.b.	1,58	9,215E+05 (A) 1,399E+06 (A)	n.b. n.b.	2,67
		2a	149.323	1,982E+05 (A) 4,608E+06 (A)	2,069E+05 (M) 2,862E+06 (A)	1,23	6,334E+05 (A) 1,187E+06 (A)	2,366E+05 (A) 3,506E+05 (A)	2,16
		2b	197.157	2,517E+05 (A) 4,508E+05 (A)	1,987E+05 (M) 2,863E+06 (A)	1,60	7,532E+05 (A) 1,401E+06 (A)	2,099E+05 (A) 3,394E+05 (A)	2,18
		2c	157.220	2,297E+05 (A)	9,156E+04 (M)	1,63	7,700E+05 (A)	2,340E+05 (A)	2,58
			140.691	4,049E+05 (A)	2,755E+06 (A)		1,210E+06 (A)	4,080E+05 (A)	
P2_XVI	205,2	1	230.429	3,151E+05 (A) 6,017E+06 (A)	n.b. n.b.	1,50	1,042E+06 (A) 1,516E+06 (A)	n.b. n.b.	2,78
		2a	149.323	3,056E+05 (A) 5,618E+06 (A)	1,943E+05 (M) 3,509E+06 (A)	1,56	8,873E+05 (A) 1,414E+06 (A)	2,831E+05 (A) 4,239E+05 (A)	2,54
		2b	197.157	2,590E+05 (A) 5,130E+06 (A)	1,787E+05 (M) 3,427E+06 (A)	1,45	9,317E+05 (A) 1,211E+06 (A)	2,620E+05 (A) 4,482E+05 (A)	3,11
		2c	157.220	2,702E+05 (A)	1,952E+05 (M)	1,64	8,599E+05 (A)	1,947E+05 (A)	2,95
			140.691	4,718E+06 (A)	3,239E+06 (A)		1,178E+06 (A)	3,729E+05 (A)	
P3_XVI	418,2	1	230.429	3,337E+05 (A) 3,523E+06 (A)	n.b. n.b.	1,33	1,001E+06 (A) 7,262E+05 (A)	n.b. n.b.	2,73
		2a	149.323	3,204E+05 (A) 3,314E+06 (A)	2,153E+05 (M) 1,881E+06 (A)	1,36	1,062E+06 (A) 7,746E+05 (A)	2,286E+05 (A) 1,976E+05 (A)	2,72
		2b	197.157	2,808E+05 (A) 2,881E+06 (A)	2,272E+05 (M) 2,019E+06 (A)	1,37	8,023E+05 (A) 5,859E+05 (A)	2,076E+05 (A) 2,269E+05 (A)	2,72
		2c	157.220	2,550E+05 (A)	1,973E+05 (M)	1,41	7,837E+05 (A)	3,318E+05 (A)	2,71
			140.691	2,549E+06 (A)	1,622E+06 (A)		5,735E+05 (A)	1,721E+05 (A)	

Patientencode 3363 (Frau 25)

Probennummer	Einwaage (mg)	Mess-Methode	Geräte-standard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	Gehalt E2 pmol/g Gewebe (1)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	Gehalt E1 pmol/g Gewebe (2)
P1_XXV	204,8	1	183.054	1,982E+05 (A) 5,390E+06 (A)	n.b. n.b.	1,05	4,039E+05 (A) 1,012E+06 (A)	n.b. n.b.	1,62
		2a	134.102	1,509E+05 (A) 4,749E+06 (A)	1,339E+05 (M) 3,123E+06 (A)	0,91	3,700E+05 (A) 7,775E+05 (A)	8,700E+04 (A) 2,115E+05 (A)	1,93
		2b	134.289	1,913E+05 (A) 4,248E+06 (A)	1,338E+05 (M) 2,524E+06 (A)	1,29	2,963E+05 (A) 5,858E+05 (A)	1,015E+04 (A) 1,973E+05 (A)	2,05
		2c	146.594 126.458	1,678E+05 (A) 4,606E+06 (A)	1,530E+05 (M) 2,662E+06 (A)	1,05	2,362E+05 (A) 6,400E+06 (A)	8,883E+04 (A) 2,306E+06 (A)	1,49
P2_XXV	208,2	1	183.054	1,814E+05 (A) 4,027E+06 (A)	n.b. n.b.	1,27	3,013E+05 (A) 6,353E+05 (A)	n.b. n.b.	1,89
		2a	134.102	1,705E+05 (A) 3,686E+06 (A)	1,383E+05 (M) 2,354E+06 (A)	1,30	2,681E+05 (M) 6,185E+05 (A)	9,345E+04 (A) 1,722E+05 (A)	1,73
		2b	134.289	1,662E+05 (A) 3,399E+06 (A)	5,367E+04 (M) 2,162E+06 (A)	1,38	2,469E+05 (A) 5,457E+05 (A)	8,749E+04 (A) 1,432E+05 (A)	1,80
		2c	146.594 126.458	1,568E+05 (A) 3,230E+06 (A)	9,190E+04 (M) 1,980E+06 (A)	1,37	1,960E+05 (A) 5,154E+05 (A)	5,650E+04 (A) 1,704E+05 (A)	1,52
P3_XXV	403,9	1	183.054	5,084E+05 (A) 6,742E+06 (A)	n.b. n.b.	1,10	9,303E+05 (A) 1,145E+06 (A)	n.b. n.b.	1,67
		2a	134.102	3,948E+05 (A) 5,994E+06 (A)	3,546E+05 (A) 3,965E+06 (A)	0,96	8,114E+05 (A) 9,677E+06 (A)	2,534E+05 (A) 3,244E+05 (A)	1,72
		2b	134.289	4,731E+05 (A) 5,505E+06 (A)	3,926E+05 (A) 3,539E+06 (A)	1,25	7,020E+05 (A) 7,790E+05 (A)	2,705E+05 (M) 2,712E+05 (A)	1,85
		2c	146.594 126.458	3,965E+05 (A) 3,517E+06 (A)	1,912E+05 (M) 2,313E+06 (A)	1,64	4,916E+05 (A) 6,053E+05 (A)	2,128E+05 (M) 1,476E+05 (A)	1,67

Patientencode W006 (Frau 30)												
Probennummer	Einwaage (mg)	Mess-Methode	Gerätestandard (1 pg E2)	Quantifier E2 (416_285) (419_285)	Qualifier E2 (416_326) (419_329)	WFR (%) d ₃ -E2	Gehalt E2 pmol/g Gewebe (1)	Gehalt E2 pmol/g Gewebe (2)	Quantifier E1 (342_257) (346_261)	Qualifier E1 (342_244) (346_246)	WFR (%) d ₄ -E1	Gehalt E1 pmol/g Gewebe (3)
P1_XXX	207,3	1	203.537	1,498E+05 (A) 5,473E+06 (A)	n.b. n.b.	52,0	0,78	/	(-) 1,555E+06 (A)	n.b. n.b.	57,8	< 0,13
		2a	233.760	1,411E+05 (A) 5,763E+06 (A)	n.n. 3,553E+06 (A)	54,0	0,69	/	(-) 1,538E+06 (A)	(-) 4,651E+05 (A)	58,7	< 0,13
		2b	170.609	1,508E+05 (A) 5,493E+06 (A)	n.n. 3,773E+06 (A)	50,2	0,78	/	(-) 1,125E+05 (A)	(-) 3,089E+05 (A)	46,4	< 0,18
		2c	169.914 176.274	8,343E+04 (A) 5,699E+06 (A)	n.n. 3,580E+06 (A)	55,7	0,42	/	(-) 1,136E+05 (A)	(-) 2,829E+05 (A)	47,3	< 0,18
P2_XXX	211,7	1	203.537	1,525E+05 (A) 4,171E+06 (A)	n.b. n.b.	36,6	1,01	/	(-) 7,082E+05 (A)	n.b. n.b.	26,3	< 0,28
		2a	233.760	1,626E+05 (A) 3,829E+06 (A)	n.n. 2,473E+06 (A)	35,9	1,18	/	(-) 6,284E+05 (A)	(-) 2,146E+05 (A)	24,0	< 0,31
		2b	170.609	1,251E+05 (A) 3,706E+06 (A)	n.n. 2,430E+06 (A)	33,8	0,94	/	(-) 6,704E+05 (A)	(-) 2,034E+05 (A)	27,7	< 0,29
		2c	169.914 176.274	1,238E+05 (A) 3,492E+06 (A)	n.n. 2,056E+06 (A)	34,3	0,98	/	(-) 5,241E+05 (A)	(-) 1,069E+05 (A)	21,8	< 0,37
P3_XXX	346,1	1	203.537	n.n. 4,298E+05 (A)	n.b. n.b.	4,1	< 3,95	< 0,24	(-) 8,294E+04 (A)	n.b. n.b.	3,1	< 1,44
		2a	233.760	n.n. 4,345E+05 (A)	n.n. 2,383E+05 (M)	4,1	< 3,90	< 0,23	(-) 1,140E+05 (A)	(-) (-)	4,4	< 1,05
		2b	170.609	n.n. 3,730E+05 (A)	n.n. 2,921E+05 (A)	3,4	< 4,55	< 0,27	(-) (-)	(-) (-)	-	-
		2c	169.914 176.274	n.n. 4,041E+05 (A)	n.n. 2,815E+05 (A)	4,0	< 4,20	< 0,25	(-) 1,017E+05 (A)	(-) (-)	4,3	< 1,18

Tab. 6: Absolute Peakflächen (PF, Counts) des *Quantif*- und *Qualif*ier-Übergangs von E1-/E2-Hydroxylierungsprodukten (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) sowie deren Gehalt in 1 g Brustgewebe. Messung mittels *GC/MS/MS* im *MRM*-Modus unter Verwendung von unterschiedlichen Messmethoden. M1: *Quantif*ier-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec. bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantif*ier- und *Qualif*ier-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analoga M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantif*ier-Übergängen (I_E1_E2_Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. (-): kein integrierbarer Peak vorhanden * NWG. Für die Berechnung der Wiederfindung wurden die MW der PF aus den jeweiligen Mess-Methoden gebildet und mit dem MW aus der jeweiligen Referenz I und II ins Verhältnis gesetzt und die prozentuale WFR berechnet. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe		Gehalt 4-HO-E2 pmol/g Gewebe		Gehalt 2-HO-E1 pmol/g Gewebe		Gehalt 4-HO-E1 pmol/g Gewebe	
Frau 0											
P1_0	204,4	I	220.317	3,157E+04 (A) 1,709E+07 (A)	37,3	3,806E+04 (A) 5,590E+06 (A)	50,3	1,145E+05 (A) 3,028E+07 (A)	36,9	9,111E+04 (A) 5,812E+07 (A)	50,7
		II	221.427 200.190	4,077E+04 (A) 1,433E+07 (A)	31,3 * < 200.000 < 3,49 < 4,17	5,778E+06 (A)	51,9 * < 200.000 < 10,68 < 10,34	2,559E+07 (A)	31,2 * < 250.000 < 0,88 < 1,04	5,790E+07 (A)	50,5 * < 350.000 < 1,13 < 1,13
P2_0	205,8	I	220.317	8,024E+04 (A) 2,848E+07 (A)	62,2	8,199E+04 (A) 1,544E+07 (A)	138,8	1,381E+05 (A) 5,017E+07 (A)	61,2	1,730E+05 (A) 1,301E+08 (A)	113,4
		II	221.427 200.190	1,099E+05 (A) 2,580E+07 (A)	56,3 * < 200.000 < 2,08 < 2,30	1,591E+07 (A)	143,0 * < 200.000 < 3,84 < 3,72	4,396E+07 (A)	53,6 * < 250.000 < 0,53 < 0,60	1,270E+08 (A)	110,7 * < 350.000 < 0,50 < 0,51
P3_0	352,5	I	220.317	4,154E+04 (A) 1,133E+07 (A)	24,7	4,676E+04 (A) 5,363E+06 (A)	48,2	6,611E+04 (A) 2,277E+07 (A)	27,8	6,852E+04 (A) 6,359E+07 (A)	55,4
		II	221.427 200.190	3,297E+04 (A) 1,001E+07 (A)	21,9 * < 200.000 < 3,06 < 3,46	5,083E+06 (A)	45,7 * < 200.000 < 6,46 < 6,81	2,133E+07 (A)	26,0 * < 250.000 < 0,68 < 0,72	5,744E+07 (A)	50,1 * < 350.000 < 0,60 < 0,66

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe
Frau 31 (Patientencode 22886)											
P1_XXXI	203,4	I	220.317	4,077E+04 (A) 1,275E+07 (A)	27,8	3,249E+04 (A) 6,151E+06 (A)	55,3	1,214E+05 (A) 2,630E+07 (A)	32,1	1,028E+05 (A) 6,245E+07 (A)	54,5
		II	221.427 200.190	2,224E+04 (A) 1,091E+07 (A)	23,8 * < 200.000 < 4,71 < 5,50	6,912E+06 (A)	62,1 * < 200.000 < 9,76 < 8,68	2,358E+07 (A)	28,8 * < 250.000 < 1,01 < 1,13	6,634E+07 (A)	57,8 * < 350.000 < 1,05 < 0,99
P2_XXXI	219,8	I	220.317	6,176E+04 (A) 1,876E+07 (A)	41,0	5,882E+04 (A) 8,274E+06 (A)	74,4	7,210E+04 (A) 4,857E+07 (A)	59,2	1,658E+05 (A) 1,218E+08 (A)	106,2
		II	221.427 200.190	8,312E+04 (A) 1,570E+07 (A)	34,3 * < 200.000 < 2,96 < 3,54	8,675E+06 (A)	78,0 * < 200.000 < 6,71 < 6,40	4,055E+07 (A)	49,5 * < 250.000 < 0,51 < 0,61	1,213E+08 (A)	105,7 * < 350.000 < 0,50 < 0,50
P3_XXXI	327,9	I	220.317	(-) 2,404E+06 (A)	5,3	(-) 1,165E+06 (A)	10,5	(-) 3,898E+06 (A)	4,8	(-) 8,330E+06 (A)	7,3
		II	221.427 200.190	(-) 2,149E+06 (A)	4,7 * < 200.000 < 15,48 < 17,32	1,322E+06 (A)	11,9 * < 200.000 < 31,95 < 28,16	3,414E+06 (A)	4,2 * < 250.000 < 4,24 < 4,85	9,547E+06 (A)	8,3 * < 350.000 < 4,90 < 4,28
Frau 10 (Patientencode 22342)											
P1_X	205,7	I	220.317	(-) 1,144E+07 (A)	25,0	3,654E+04 (A) 4,186E+06 (A)	37,6	5,184E+04 (A) 1,883E+07 (A)	23,0	5,923E+04 (A) 3,631E+07 (A)	31,7
		II	221.427 200.190	2,704E+04 (A) 9,131E+06 (A)	19,9 * < 200.000 < 5,19 < 6,50	4,799E+06 (A)	43,1 * < 200.000 < 14,18 < 12,36	1,526E+07 (A)	18,6 * < 250.000 < 1,40 < 1,73	3,731E+07 (A)	32,5 * < 350.000 < 1,79 < 1,74
P2_X	207,9	I	220.317	(-) 1,632E+07 (A)	35,6	7,701E+04 (A) 7,717E+06 (A)	69,4	7,964E+04 (A) 2,502E+07 (A)	30,5	1,076E+05 (A) 5,049E+07 (A)	44,0
		II	221.427 200.190	(-) 1,410E+07 (A)	30,8 * < 200.000 < 3,60 < 4,16	7,486E+06 (A)	67,3 * < 200.000 < 7,61 < 7,84	2,180E+07 (A)	26,6 * < 250.000 < 1,04 < 1,20	5,130E+07 (A)	44,7 * < 350.000 < 1,28 < 1,26

P3_X	321,6	I	220.317	(-)	13,3	(-)	26,4	(-)	15,7	(-)	26,2
		II	221.427	(-)	11,8	2,940E+06 (A)	23,1	1,286E+07 (A)	12,2	3,000E+07 (A)	23,0
			200.190	5,386E+06 (A)		2,874E+04 (A)		9,997E+06 (A)		5,583E+04 (A)	
				* < 200.000		* < 200.000		* < 250.000		* < 350.000	
				< 6,23		< 12,91		< 1,31		< 1,39	
				< 7,05		< 14,76		< 1,69		< 1,58	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe				
Frau 15 (Patientencode W003)											
P1_XV	209,0	I	175.988	(-)	5,1	(-)	6,7	(-)	4,8	(-)	6,1
		II	153.158	(-)	4,5	9,800E+05 (A)	6,2	4,775E+06 (A)	4,1	1,006E+07 (A)	6,2
			148.123	2,401E+06 (A)		9,063E+05 (A)		4,065E+06 (A)		1,019E+07 (A)	
				* < 200.000		* < 200.000		* < 250.000		* < 350.000	
				< 21,54		< 59,60		< 5,44		< 6,37	
				< 24,32		< 64,44		< 6,34		< 6,29	
P2_XV	216,6	I	175.988	(-)	4,6	(-)	6,7	3,708E+04 (A)	5,1	2,467E+04 (A)	6,9
		II	153.158	(-)	4,4	9,825E+05 (A)	8,6	5,063E+06 (A)	4,3	1,129E+07 (A)	6,8
			148.123	2,337E+06 (A)		1,257E+06 (A)		4,280E+04 (A)		1,124E+07 (A)	
				* < 200.000		* < 200.000		* < 250.000		* < 350.000	
				< 23,35		< 57,36		< 4,95		< 5,47	
				< 24,11		< 44,83		< 5,91		< 5,50	
P3_XV	321,8	I	175.988	(-)	2,7	(-)	3,5	(-)	2,4	(-)	3,8
		II	153.158	(-)	2,0	5,059E+05 (A)	3,0	2,330E+06 (A)	2,3	6,228E+06 (A)	4,2
			148.123	1,058E+06 (A)		4,403E+05 (A)		2,240E+06 (A)		6,912E+06 (A)	
				* < 200.000		* < 200.000		* < 250.000		* < 350.000	
				< 26,98		< 74,98		< 10,08		< 9,92	
				< 35,85		< 86,15		< 11,20		< 8,94	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe
Frau 21 (Patientencode 22548)											
P1_XXI	205,6	I	172.985	9,501E+04 (A)	70,5	6,873E+04 (A)	137,4	3,374E+05 (A)	68,1	6,175E+05 (A)	115,4
		II	137.585 147.095	2,735E+07 (A) 4,417E+04 (A) 2,233E+07 (A)	57,6 * < 200.000 < 2,17 < 2,66	1,736E+07 (A) 1,130E+05 (A) 1,641E+07 (A)	129,9 * < 200.000 < 3,42 < 3,62	5,173E+07 (A) 2,290E+05 (A) 4,408E+07 (A)	58,0 * < 250.000 < 0,51 < 0,60	1,583E+08 (A) 4,722E+05 (A) 1,408E+08 (A)	102,7 * < 350.000 < 0,41 < 0,46
P2_XXI	202,2	I	172.985	6,708E+04 (A)	32,7	3,071E+04 (A)	43,3	6,564E+04 (A)	26,2	1,583E+05 (A)	34,0
		II	137.585 147.095	1,270E+07 (A) 5,004E+04 (A) 1,067E+07 (A)	27,5 * < 200.000 < 4,75 < 5,66	5,473E+06 (A) 2,140E+04 (A) 7,002E+06 (A)	55,4 * < 200.000 < 11,03 < 8,62	1,986E+07 (A) 1,194E+05 (A) 1,733E+07 (A)	22,8 * < 250.000 < 1,35 < 1,55	4,665E+07 (A) 1,702E+05 (A) 5,343E+07 (A)	39,0 * < 350.000 < 1,42 < 1,24
P3_XXI	329,1	I	172.985	(-)	29,2	5,017E+04 (A)	48,9	1,156E+05 (A)	29,8	2,169E+05 (A)	45,1
		II	137.585 147.095	1,134E+07 (A) 2,801E+04 (A) 1,048E+07 (A)	27,0 * < 200.000 < 3,27 < 3,54	6,177E+06 (A) 4,508E+04 (A) 6,455E+06 (A)	51,1 * < 200.000 < 6,00 < 5,75	2,263E+07 (A) 7,279E+04 (A) 2,058E+07 (A)	27,1 * < 250.000 < 0,73 < 0,80	6,185E+07 (A) 2,106E+05 (A) 5,890E+07 (A)	42,9 * < 350.000 < 0,66 < 0,69
Frau 26 (Patientencode 22755)											
P1_XXVI	206,6	I	172.985	(-)	14,4	(-)	13,9	4,937E+04 (A)	10,8	7,898E+04 (A)	11,2
		II	137.585 147.095	5,577E+06 (A) 3,167E+04 (A) 3,533E+06 (A)	9,1 * < 200.000 < 10,59 < 16,72	1,759E+06 (A) (-) 1,163E+06 (A)	9,2 * < 200.000 < 33,59 < 50,80	8,205E+06 (A) 9,278E+04 (A) 6,052E+06 (A)	8,0 * < 250.000 < 3,20 < 4,34	1,542E+07 (A) 9,151E+04 (A) 1,042E+07 (A)	7,6 * < 350.000 < 4,20 < 6,22
P2_XXVI	221,5	I	172.985	(-)	6,4	(-)	4,9	(-)	5,3	3,547E+04 (A)	6,0
		II	137.585 147.095	2,477E+06 (A) (-) 2,018E+06 (A)	5,2 * < 200.000 < 22,25 < 27,31	6,142E+05 (A) (-) 6,356E+05 (A)	5,0 * < 200.000 < 89,71 < 86,70	4,047E+06 (A) (-) 3,663E+06 (A)	4,8 * < 250.000 < 6,05 < 6,69	8,215E+06 (A) 4,694E+04 (A) 7,116E+06 (A)	5,2 * < 350.000 < 7,36 < 8,49

P3_XXVI	328,0	I	172.985	(-)	2,664E+05 (A)	0,7	(-)	5,877E+04 (A)	0,5	(-)	4,843E+05 (A)	0,6	2,079E+04 (A)	1,030E+06 (A)	0,8
		II	137.585 147.095	(-)	2,125E+05 (A)	0,5	(-)	7,930E+04 (A)	0,6	(-)	4,257E+05 (A)	0,6	(-)	9,947E+05 (A)	0,7
					* < 200.000 < 139,72 < 175,14			* < 200.000 < 633,24 < 469,27			* < 250.000 < 34,15 < 41,14			* < 350.000 < 39,62 < 43,45	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄				
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe								
Frau 20 (Patientencode S001)															
P1_XX	201,7	I	172.921	3,248E+04 (A)	36,5	5,058E+04 (A)	67,1	1,098E+05 (A)	42,1	1,252E+05 (A)	68,1				
		II	145.749 140.005	(-) 1,121E+07 (A)	30,1	(-) 7,978E+06 (A)	61,0	(-) 2,771E+07 (A)	34,9	(-) 1,054E+08 (A) 1,215E+05 (A)	8,549E+07 (A)	55,2			
					* < 200.000 < 4,44 < 5,40		* < 200.00 < 6,90 < 7,59		* < 250.000 < 0,80 < 0,97		* < 350.000 < 0,0,63 < 0,78				
P2_XX	218,0	I	172.921	(-)	5,430E+05 (A)	1,5	(-)	5,347E+05 (A)	4,1	(-)	1,225E+06 (A)	1,5	(-)	4,091E+06 (A)	2,6
		II	145.749 140.005	(-)	5,244E+05 (A)	1,4	(-)	4,243E+05 (A)	3,2	(-)	1,038E+06 (A)	1,3	(-)	3,713E+06 (A)	2,4
					* < 200.000 < 103,12 < 106,76		* < 200.000 < 104,72 < 131,96		* < 250.000 < 20,31 < 23,97		* < 350.000 < 15,01 < 16,54				
P3_XX	340,3	I	172.921	3,348E+04 (A)	14,2	(-)	3,905E+06 (A)	29,9	(-)	1,434E+07 (A)	18,1	3,902E+04 (A)	4,019E+07 (A)	25,9	
		II	145.749 140.005	(-) 5,220E+06 (A)	14,0	(-) 2,683E+04 (A) 3,643E+06 (A)	27,9	(-) 7,032E+04 (A) 1,335E+07 (A)	16,8	(-) 5,589E+04 (A) 3,668E+07 (A)	23,7				
					* < 200.000 < 6,79 < 6,87		* < 200.000 < 9,19 < 9,85		* < 250.000 < 1,11 < 1,19		* < 350.000 < 0,98 < 1,08				

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe
Frau 32 (Patientencode 23352)											
P1_XXXII	217,5	I	172.921	4,716E+04 (A)	57,4	8,256E+04 (A)	100,1	1,382E+05 (A)	52,3	2,277E+05 (A)	87,0
		II	145.749 140.005	2,142E+07 (A) 3,584E+04 (A) 1,804E+07 (A)	48,4 * < 200.000 < 2,62 < 3,11	1,348E+07 (A) 6,176E+04 (A) 1,288E+07 (A)	98,5 * < 200.000 < 4,29 < 4,36	4,147E+07 (A) 1,433E+05 (A) 3,380E+07 (A)	42,6 * < 250.000 < 0,60 < 0,74	1,348E+08 (A) 2,335E+05 (A) 1,230E+08 (A)	79,4 * < 350.000 < 0,46 < 0,50
P2_XXXII	221,9	I	172.921	4,057E+04 (A)	67,0	1,184E+05 (A)	142,5	1,585E+05 (A)	62,2	2,942E+05 (A)	108,6
		II	145.749 140.005	2,500E+07 (A) 5,059E+04 (A) 2,268E+07 (A)	60,8 * < 200.000 < 2,20 < 2,43	1,863E+07 (A) 7,936E+04 (A) 1,701E+07 (A)	130,1 * < 200.000 < 2,95 < 3,23	4,932E+07 (A) 1,268E+05 (A) 4,204E+07 (A)	53,0 * < 250.000 < 0,50 < 0,58	1,682E+08 (A) 2,512E+05 (A) 1,503E+08 (A)	97,0 * < 350.000 < 0,36 < 0,40
P3_XXXII	328,1	I	172.921	(-)	46,3	6,498E+04 (A)	91,0	6,054E+04 (A)	44,8	2,041E+05 (A)	73,7
		II	145.749 140.005	1,728E+07 (A) (-) 1,559E+07 (A)	41,8 * < 200.000 < 2,15 < 2,39	1,189E+07 (A) 3,763E+04 (A) 1,091E+07 (A)	83,5 * < 200.000 < 3,13 < 3,40	3,552E+07 (A) 2,606E+04 (A) 3,116E+07 (A)	39,3 * < 250.000 < 0,47 < 0,53	1,141E+08 (A) 1,137E+05 (A) 1,037E+08 (A)	67,0 * < 350.000 < 0,36 < 0,39
Frau 28 (Patientencode 22916)											
P1_XXVIII	211,8	I	172.921	(-)	22,4	4,322E+04 (A)	36,8	4,809E+04 (A)	23,5	9,281E+04 (A)	30,7
		II	145.749 140.005	8,369E+06 (A) 3,772E+04 (A) 7,870E+06 (A)	21,1 * < 200.000 < 6,89 < 7,32	4,805E+06 (A) (-) 5,241E+06 (A)	40,1 * < 200.000 < 11,99 < 11,00	1,866E+07 (A) 3,880E+04 (A) 1,495E+07 (A)	18,9 * < 250.000 < 1,37 < 1,71	4,758E+07 (A) 4,166E+04 (A) 4,125E+07 (A)	26,6 * < 350.000 < 1,33 < 1,53
P2_XXVIII	221,3	I	172.921	(-)	24,3	(-)	41,8	6,040E+04 (A)	2,6	5,202E+04 (A)	34,8
		II	145.749 140.005	9,080E+06 (A) (-) 7,901E+06 (A)	21,2 * < 200.000 < 6,07 < 6,98	5,465E+06 (A) (-) 4,829E+06 (A)	36,9 * < 200.000 < 10,09 < 11,42	2,029E+06 (A) 7,648E+04 (A) 1,710E+06 (A)	2,2 * < 250.000 < 12,08 < 14,33	5,388E+07 (A) 8,767E+04 (A) 4,848E+07 (A)	31,3 * < 350.000 < 1,12 < 1,25

P3_XXVIII	331,2	I	172.921	(-) 2,085E+06 (A)	5,6	(-) 9,509E+05 (A)	7,3	(-) 6,775E+06 (A)	8,5	2,949E+04 (A) 1,402E+07 (A)	9,1
		II	145.749 140.005	(-) 1,868E+06 (A)	5,0	(-) 8,850E+05 (A)	6,8	2,372E+04 (A) 5,648E+06 (A)	7,1	(-) 1,327E+07 (A)	8,6
					* < 200.000 < 17,68 < 19,73		* < 200.000 < 38,76 < 41,64		* < 250.000 2,42 < 2,90		* < 350.000 < 2,88 < 3,05

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 4 (P1/P2/P3; Patientencode 21870)											
P1_IV	205,9	I	162.865	(-) 9,101E+05 (A)	2,3	(-) 1,122E+05 (A)	0,8	2,496E+04 (A) 1,264E+06 (A)	2,2	(-) 1,439E+06 (A)	1,1
				(-) 5,361E+05 (A)	1,3	(-) 9,829E+04 (A)	0,7	(-) 1,062E+06 (A)	1,9	(-) 1,164E+06 (A)	0,9
		II	180.155 162.246	n.b. n.b.	* < 200.000 < 65,14 < 110,59	n.b. n.b.	* < 200.000 < 528,46 < 599,32	n.b. n.b.	* < 250.000 < 20,84 < 24,81	n.b. n.b.	* < 350.000 < 38,73 < 47,88
P2_IV	213,6	I	162.865	(-) 3,743E+05 (A)	0,9	(-) 4,073E+04 (A)	0,3	2,197E+04 (A) 6,416E+05 (A)	1,1	2,392E+04 (A) 7,159E+05 (A)	0,5
				(-) 2,197E+05 (A)	0,5	(-) 3,742E+04 (A)	0,3	2,555E+04 (A) 3,235E+05 (A)	0,6	(-) 4,550E+05 (A)	0,3
		II	180.155 162.246	n.b. n.b.	* < 200.000 < 152,69 < 260,09	n.b. n.b.	* < 200.000 < 1402,91 < 1527,28	n.b. n.b.	* < 250.000 < 39,58 < 78,49	n.b. n.b.	* < 350.000 < 75,03 < 118,07
P3_IV	339,9	I	162.865	(-) 2,256E+05 (A)	0,6	(-) 6,524E+04 (A)	0,4	(-) 3,420E+05 (A)	0,6	(-) 5,115E+05 (A)	0,4
				(-) 1,970E+05 (A)	0,5	(-) 3,912E+04 (A)	0,3	(-) 2,942E+05 (A)	0,5	(-) 4,425E+05 (A)	0,3
		II	180.155 162.246	n.b. n.b.	* < 200.000 < 159,20 < 182,32	n.b. n.b.	* < 200.000 < 550,43 < 917,92	n.b. n.b.	* < 250.000 < 46,66 < 54,25	n.b. n.b.	* < 350.000 < 66,00 < 76,28
				(-) 1,379E+05 (A)		(-) 3,168E+04 (A)		(-) 1,807E+05 (A)		(-) 2,537E+05 (A)	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe
Frau 4 (P4/P5/P6; Patientencode 21870)											
P4_IV	214,5	I	175.988	(-) 3,141E+06 (A)	5,9	(-) 9,582E+05 (A)	6,5	2,472E+04 (A) 6,593E+06 (A)	6,7	(-) 1,077E+07 (A)	6,5
		II	153.158	(-) 2,660E+06 (A)	5,0	(-) 9,641E+05 (A)	6,6	3,674E+04 (A) 5,290E+06 (A)	5,3	6,927E+04 (A) 1,216E+07 (A)	7,4
			148.123		* < 200.000 < 18,12 < 21,39		* < 200.000 < 59,39 < 59,02		* < 250.000 < 3,84 < 4,78		* < 350.000 < 5,79 < 5,13
P5_IV	217,7	I	175.988	(-) 1,734E+06 (A)	3,3	(-) 5,427E+05 (A)	3,7	(-) 4,495E+06 (A)	4,5	4,808E+04 (A) 9,491E+06 (A)	5,8
		II	153.158	(-) 1,680E+06 (A)	3,2	(-) 5,968E+05 (A)	4,1	(-) 4,052E+06 (A)	4,1	2,928E+04 (A) 9,812E+06 (A)	6,0
			148.123		* < 200.000 < 32,33 < 33,37		* < 200.000 < 103,31 < 93,94		* < 250.000 < 5,54 < 6,15		* < 350.000 < 6,48 < 6,27
P6_IV	329,0	I	175.988	(-) 1,361E+06 (A)	2,6	(-) 4,494E+05 (A)	3,1	(-) 2,290E+06 (A)	2,3	2,723E+04 (A) 5,831E+06 (A)	3,5
		II	153.158	(-) 1,214E+06 (A)	2,3	(-) 4,633E+05 (A)	3,2	(-) 2,292E+06 (A)	2,3	(-) 6,292E+06 (A)	3,8
			148.123		* < 200.000 < 27,26 < 30,56		* < 200.000 < 82,56 < 80,09		* < 250.000 < 7,20 < 7,19		* < 350.000 < 6,98 < 6,47
Frau 6 (Patientencode 21912)											
P1_VI	208,8	I	192.095	(-) 4,109E+06 (A)	9,1	(-) 1,482E+06 (A)	6,6	(-) 7,345E+06 (A)	8,7	(-) 1,267E+07 (A)	6,2
		II	155.403	(-) 3,958E+06 (A)	8,8	(-) 1,491E+06 (A)	6,6	5,197E+04 (A) 6,513E+06 (A)	7,7	(-) 1,140E+07 (A)	5,6
			181.639		* < 200.000 < 14,23 < 14,77		* < 200.000 < 39,45 < 39,21		* < 250.000 < 3,54 < 3,99		* < 350.000 < 5,06 < 5,62
P1_VI	213,4	I	192.095	(-) 3,710E+06 (A)	8,2	(-) 1,062E+06 (A)	4,7	3,723E+04 (A) 5,880E+06 (A)	7,0	2,999E+04 (A) 1,208E+07 (A)	5,9
		II	155.403	(-) 3,166E+06 (A)	7,0	(-) 1,175E+06 (A)	5,2	3,130E+04 (A) 5,268E+06 (A)	6,2	(-) 1,069E+07 (A)	5,2
			181.639		* < 200.000 < 15,42 < 18,07		* < 200.000 < 53,86 < 48,68		* < 250.000 < 4,32 < 4,82		* < 350.000 < 5,19 < 5,87

P3_VI	338,9	I	192.095	(-)	8,9	(-)	7,7	4,015E+04 (A)	7,6	6,551E+04 (A)	7,7
		II	155.403 181.639	(-) 4,517E+06 (A)	10,0	(-) 1,941E+06 (A)	8,6	(-) 7,202E+06 (A)	8,5	(-) 1,732E+07 (A)	8,5
				* < 200.000	< 8,99	* < 200.000	< 20,69		* < 250.000	< 2,48	* < 350.000
				< 7,97		< 18,56			< 2,22		< 2,28

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe				
Frau 18 (Patientencode W001)											
P1_XVIII	213,5	I	192.095	4,982E+04 (A)	31,2	(-)	36,2	1,467E+05 (A)	38,9	1,403E+05 (A)	52,1
		II	155.403 181.639	1,410E+07 (A) (-) 1,341E+07 (A)	29,7	8,169E+06 (A) 3,183E+04 (A) 7,504E+06 (A)	33,3	3,294E+07 (A) 7,060E+04 (A) 3,049E+07 (A)	36,1	1,063E+08 (A) 1,563E+05 (A) 9,708E+07 (A)	47,6
				* < 200.000	< 4,05	* < 200.000	< 7,00		* < 250.000	< 0,77	* < 350.000
				< 4,26		< 7,62			< 0,83		< 0,65
P2_XVIII	218,8	I	192.095	3,882E+04 (A)	28,4	2,425E+04 (A)	17,9	5,784E+04 (A)	39,7	1,049E+05 (A)	47,3
		II	155.403 181.639	1,285E+07 (A) 2,118E+04 (A) 1,164E+07 (A)	25,8	4,036E+06 (A) 4,131E+04 (A) 3,798E+06 (A)	16,8	3,359E+07 (A) 6,624E+04 (A) 3,007E+07 (A)	35,6	9,664E+07 (A) 7,646E+04 (A) 8,600E+07 (A)	42,2
				* < 200.000	< 4,34	* < 200.000	< 13,82		* < 250.000	< 0,74	* < 350.000
				< 4,79		< 14,69			< 0,82		< 0,71
P3_XVIII	341,7	I	192.095	(-)	6,6	2,148E+04 (A)	9,9	2,294E+04 (A)	3,9	(-)	4,3
		II	155.403 181.639	2,981E+06 (A) (-) 2,807E+06 (A)	6,2	2,241E+06 (A) (-) 1,816E+06 (A)	8,0	3,334E+06 (A) (-) 2,735E+06 (A)	3,2	8,740E+06 (A) 2,476E+04 (A) 9,278E+06 (A)	4,5
				* < 200.000	< 11,98	* < 200.000	< 15,94		* < 250.000	< 4,76	* < 350.000
				< 12,73		< 19,67			< 5,80		< 4,22

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
					Gehalt 2-HO-E2 pmol/g Gewebe		Gehalt 4-HO-E2 pmol/g Gewebe		Gehalt 2-HO-E1 pmol/g Gewebe		Gehalt 4-HO-E1 pmol/g Gewebe
Frau 24 (Patientencode 22960)											
P1_XXIV	202,7	I	180.734	3,966E+04 (A)	22,0	2,529E+04 (A)	31,0	7,432E+04 (A)	27,1	4,439E+04 (A)	36,5
		II	179.880 200.345	9,912E+06 (A) 2,517E+04 (A) 9,668E+06 (A)	21,5 * < 200.000 < 6,08 < 6,23	4,492E+06 (A) 5,030E+04 (A) 4,427E+06 (A)	30,6 * < 200.000 < 13,41 < 13,60	2,506E+07 (A) 8,242E+04 (A) 2,160E+07 (A)	23,3 * < 250.000 < 1,07 < 1,24	5,957E+07 (A) 7,469E+04 (A) 5,875E+07 (A)	36,0 * < 350.000 < 1,11 < 1,12
P2_XXIV	218,2	I	180.734	3,722E+04 (A)	13,2	(-)	16,5	4,885E+04 (A)	12,7	5,222E+04 (A)	18,1
		II	179.880 200.345	5,935E+06 (A) (-) 4,075E+06 (A)	9,1 * < 200.000 < 9,43 < 13,73	2,393E+06 (A) (-) 1,649E+06 (A)	11,4 * < 200.000 < 23,38 < 33,92	1,174E+07 (A) 5,258E+04 (A) 9,896E+06 (A)	10,7 * < 250.000 < 2,12 < 2,51	2,956E+07 (A) 2,820E+04 (A) 2,329E+07 (A)	14,3 * < 350.000 < 2,08 < 2,63
P3_XXIV	339,1	I	180.734	(-)	7,5	(-)	10,4	2,325E+04 (A)	8,4	2,690E+04 (A)	12,1
		II	179.880 200.345	3,379E+06 (A) 2,566E+04 (A) 2,831E+06 (A)	6,3 * < 200.000 < 10,65 < 12,71	1,503E+06 (A) (-) 1,458E+06 (A)	10,1 * < 200.000 < 23,95 < 24,69	7,802E+06 (A) (-) 6,199E+06 (A)	6,7 * < 250.000 < 2,05 < 2,73	1,976E+07 (A) (-) 1,731E+07 (A)	10,6 * < 350.000 < 2,00 < 2,42
Frau 27 (Patientencode W001)											
P1_XXVII	208,1	I	180.734	(-)	3,0	(-)	2,4	2,800E+04 (A)	2,4	3,753E+04 (A)	2,9
		II	179.880 200.345	1,333E+06 (A) (-) 1,345E+06 (A)	3,0 * < 200.000 < 44,00 < 43,61	3,512E+05 (A) (-) 4,821E+05 (A)	3,3 * < 200.000 < 167,03 < 121,66	2,250E+06 (A) 4,009E+04 (A) 2,400E+06 (A)	2,6 * < 250.000 < 11,58 < 10,86	4,724E+06 (A) 3,587E+04 (A) 5,144E+06 (A)	3,2 * < 350.000 < 13,62 < 12,51
P2_XXVII	227,5	I	180.734	(-)	4,3	(-)	5,0	(-)	3,8	3,745E+04 (A)	5,0
		II	179.880 200.345	1,927E+06 (A) (-) 1,263E+06 (A)	2,8 * < 200.000 < 27,84 < 42,48	7,224E+05 (A) (-) 7,480E+05 (A)	5,2 * < 200.000 < 74,27 < 71,73	3,500E+06 (A) 2,296E+04 (A) 3,129E+06 (A)	3,4 * < 250.000 < 6,81 < 7,62	8,234E+06 (A) (-) 7,153E+06 (A)	4,4 * < 350.000 < 7,15 < 8,23

P3_XXVII	319,1	I	180.734	(-) 8,667E+05 (A)	1,9	(-) 2,341E+05 (A)	1,6	(-) 1,259E+06 (A)	1,4	(-) 2,781E+06 (A)	1,7
		II	179.880 200.345	(-) 7,605E+05 (A)	1,7	(-) 2,267E+05 (A)	1,6	(-) 1,127E+06 (A)	1,2	(-) 2,534E+06 (A)	1,6
				* < 200.000 < 44,08 < 50,30		* < 200.000 < 163,43 < 168,73		* < 250.000 < 13,50 < 15,97		* < 350.000 < 15,09 < 17,53	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe				
Frau 3 (P1/P2/P3; Patientencode 21545)											
P1_III	214,5	I	192.095	(-) 2,034E+06 (A)	4,5	(-) 8,463E+05 (A)	3,8	(-) 3,396E+06 (A)	4,0	(-) 8,228E+06 (A)	4,0
		II	155.403 181.639	(-) 1,954E+06 (A)	4,3	(-) 8,817E+05 (A)	3,9	4,238E+04 (A) 2,864E+06 (A)	3,4	4,738E+04 (A) 7,772E+06 (A)	3,8
				* < 200.000 < 27,98 < 29,12		* < 200.000 < 67,24 < 64,54		* < 250.000 < 7,45 < 8,83		* < 350.000 < 7,58 < 8,03	
P2_III	228,8	I	192.095	(-) 4,976E+06 (A)	11,0	(-) 2,434E+06 (A)	10,8	4,478E+04 (A) 7,126E+06 (A)	8,4	6,483E+04 (A) 1,876E+07 (A)	9,2
		II	155.403 181.639	(-) 4,813E+06 (A)	10,7	(-) 2,098E+06 (A)	9,3	4,502E+04 (A) 7,616E+06 (A)	9,0	1,016E+05 (A) 1,876E+07 (A)	9,2
				* < 200.000 < 10,72 < 11,08		* < 200.000 < 21,92 < 25,43		* < 250.000 < 3,33 < 3,11		* < 350.000 < 3,12 < 3,12	
P3_III	338,8	I	192.095	(-) 1,081E+06 (A)	2,4	(-) 5,159E+05 (A)	2,3	3,023E+04 (A) 2,508E+06 (A)	3,0	(-) 6,051E+06 (A)	3,0
		II	155.403 181.639	(-) 1,023E+06 (A)	2,3	(-) 4,918E+05 (A)	2,2	(-) 2,209E+06 (A)	2,6	(-) 6,189E+06 (A)	3,0
				* < 200.000 < 33,33 < 35,22		* < 200.000 < 69,84 < 73,25		* < 250.000 < 6,38 < 7,25		* < 350.000 < 6,53 < 6,38	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E2-d ₄
					Gehalt 2-HO-E2 pmol/g Gewebe		Gehalt 4-HO-E2 pmol/g Gewebe		Gehalt 2-HO-E1 pmol/g Gewebe		Gehalt 4-HO-E1 pmol/g Gewebe
Frau 3 (P4/P5/P6; Patientencode 21545)											
P4_III	210,8	I	162.865	6,604E+04 (A) 8,583E+06 (A)	20,1	3,767E+04 (A) 3,157E+06 (A)	42,1	1,028E+05 (A) 1,478E+07 (A)	18,1	4,919E+04 (A) 2,797E+07 (A)	26,7
		II	170.435 160.631	(-) 7,609E+06 (A)	17,8 * < 200.000 < 6,75 < 7,61	(-) 3,974E+06 (A)	53,0 * < 200.000 < 18,34 < 14,57	9,138E+04 (A) 1,320E+07 (A)	16,2 * < 250.000 < 1,74 < 1,95	5,559E+04 (A) 3,311E+07 (A)	31,6 * < 350.000 < 2,27 < 1,92
P5_III	218,5	I	162.865	2,063E+04 (A) 2,052E+06 (A)	4,8	(-) 6,576E+05 (A)	8,8	(-) 3,185E+06 (A)	3,9	(-) 5,319E+06 (A)	5,1
		II	170.435 160.631	(-) 1,652E+06 (A)	3,9 * < 200.000 < 27,22 < 33,82	(-) 9,216E+05 (A)	12,3 * < 200.000 < 84,95 < 60,61	3,123E+04 (A) 2,764E+06 (A)	3,4 * < 250.000 < 7,79 < 8,98	2,155E+04 (A) 6,963E+06 (A)	6,7 * < 350.000 < 11,52 < 8,80
P6_III	322,6	I	162.865	(-) 1,015E+06 (A)	2,4	(-) 3,861E+05 (A)	5,1	(-) 1,685E+06 (A)	2,1	(-) 3,379E+06 (A)	3,2
		II	170.435 160.631	(-) 9,922E+05 (A)	2,3 * < 200.000 < 37,28 < 38,13	(-) 5,049E+05 (A)	6,7 * < 200.000 < 98,01 < 74,94	(-) 1,497E+06 (A)	1,8 * < 250.000 < 9,98 < 11,23	4,430E+04 (A) 4,520E+06 (A)	4,3 * < 350.000 < 12,28 < 9,18
Frau 19 (P1/P5/P6; Patientencode W002)											
P4_XIX	207,6	I	162.865	(-) 3,218E+06 (A)	7,5	(-) 1,044E+06 (A)	13,9	3,646E+04 (A) 4,698E+06 (A)	5,8	(-) 6,842E+06 (A)	6,5
		II	170.435 160.631	(-) 2,907E+06 (A)	6,8 * < 200.000 < 18,27 < 20,23	(-) 1,599E+06 (A)	20,8 * < 200.000 < 56,32 < 37,71	(-) 4,121E+06 (A)	5,0 * < 250.000 < 5,56 < 6,34	(-) 1,080E+07 (A)	10,3 * < 350.000 < 9,42 < 5,97
P5_XIX	213,6	I	162.865	(-) 4,217E+06 (A)	9,9	(-) 1,280E+06 (A)	17,1	(-) 5,793E+06 (A)	7,1	3,200E+04 (A) 1,119E+07 (A)	10,7
		II	170.435 160.631	(-) 3,609E+06 (A)	8,4 * < 200.000 < 13,55 < 15,83	(-) 1,531E+06 (A)	20,4 * < 200.000 < 44,64 < 37,33	2,001E+04 (A) 5,234E+06 (A)	6,4 * < 250.000 < 4,38 < 4,85	3,469E+04 (A) 1,267E+07 (A)	12,1 * < 350.000 < 6,14 < 6,79

P6_XIX	327,3	I	162.865	(-) 4,015E+05 (A)	0,9	(-) 1,610E+05 (A)	2,1	(-) 7,462E+05 (A)	0,9	(-) 1,338E+06 (A)	1,3
		II	170.435 160.631	(-) 3,513E+05 (A)	0,8	(-) 9,272E+04 (A)	1,2	(-) 6,148E+05 (A)	0,8	(-) 1,583E+06 (A)	1,5
				* < 200.000 < 92,88 < 106,16		* < 200.000 < 231,64 < 402,20		* < 250.000 < 22,21 < 26,96		* < 350.000 < 31,09 < 37,74	

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 19 (P1/P2/P3; Patientencode W002)											
P1_XIX	202,9	I	183.054	(-) 1,004E+06 (A)	2,0	(-) 4,584E+05 (A)	3,2	(-) 1,591E+06 (A)	1,6	(-) 3,345E+06 (A)	1,5
		II	134.102 134.289	(-) 7,431E+05 (A)	1,5	(-) 4,076E+05 (A)	2,8	(-) 1,016E+06 (A)	1,1	(-) 2,517E+06 (A)	1,2
				n.b. n.b.	* < 200.000 < 59,92 < 80,96	n.b. n.b.	* < 200.000 < 131,22 < 147,59	n.b. n.b.	* < 250.000 < 16,80 < 26,31	n.b. n.b.	* < 350.000 < 19,72 < 26,21
P2_XIX	206,2	I	183.054	(-) 1,999E+05 (A)	0,4	(-) 2,009E+05 (A)	1,4	(-) 4,234E+05 (A)	0,4	(-) 8,811E+05 (A)	0,4
		II	134.102 134.289	(-) 1,962E+05 (A)	0,4	(-) 1,288E+05 (A)	0,9	(-) 3,522E+05 (A)	0,4	(-) 6,508E+05 (A)	0,3
				n.b. n.b.	* < 200.000 < 296,19 < 301,73	n.b. n.b.	* < 200.000 < 294,68 < 459,58	n.b. n.b.	* < 250.000 < 62,13 < 75,00	n.b. n.b.	* < 350.000 < 73,68 < 99,75
P3_XIX	413,1	I	183.054	(-) 5,611E+05 (A)	1,1	(-) 4,125E+05 (A)	2,9	(-) 7,959E+05 (A)	0,8	(-) 2,040E+06 (A)	0,9
		II	134.102 134.289	(-) 3,923E+05 (A)	0,8	(-) 3,699E+05 (A)	2,6	(-) 5,712E+05 (A)	0,6	(-) 1,395E+06 (A)	0,6
				n.b. n.b.	* < 200.000 < 71,61 < 80,52	n.b. n.b.	* < 200.000 < 71,61 < 80,52	n.b. n.b.	* < 250.000 < 16,50 < 22,99	n.b. n.b.	* < 350.000 < 15,89 < 23,23
				(-) 2,644E+05 (A)		(-) 2,300E+05 (A)		(-) 5,132E+05 (A)		(-) 4,716E+05 (A)	

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 29 (Patientencode W005)											
P1_XXIX	203,2	I	219.792	(-) 3,480E+05 (A)	1,2	(-) 6,629E+04 (A)	0,5	(-) 1,778E+05 (A)	0,3	(-) 4,105E+05 (A)	0,3
				(-) 2,785E+05 (A)	1,0	(-) 5,753E+04 (A)	0,4	(-) 1,083E+05 (A)	0,2	(-) 4,932E+05 (A)	0,4
				n.b. n.b. (-) 1,922E+05 (A)	* < 200.000 < 172,59 < 215,70	n.b. n.b. (-) 3,213E+04 (A)	* < 200.000 < 906,15 < 1044,16	n.b. n.b. (-) 9,927E+04 (A)	* < 250.000 < 150,17 < 246,56	n.b. n.b. (-) 1,487E+05 (A)	* < 350.000 < 160,49 < 133,57
P2_XXIX	210,7	I	219.792	(-) 5,896E+06 (A)	21,1	(-) 1,790E+06 (A)	13,3	(-) 1,301E+07 (A)	24,2	(-) 2,814E+07 (A)	23,6
				(-) 4,444E+06 (A)	15,9	(-) 1,682E+06 (A)	12,5	(-) 9,905E+06 (A)	18,4	(-) 2,499E+07 (A)	21,0
				n.b. n.b. (-) 2,839E+06 (A)	* < 200.000 < 9,83 < 13,04	n.b. n.b. (-) 1,600E+06 (A)	* < 200.000 < 32,36 < 34,44	n.b. n.b. (-) 8,852E+06 (A)	* < 250.000 < 1,99 < 2,60	n.b. n.b. (-) 1,007E+07 (A)	* < 350.000 < 2,26 < 2,54
P3_XXIX	406,1	I	219.792	(-) 4,480E+05 (A)	1,6	(-) 2,334E+05 (A)	1,7	(-) 3,852E+05 (A)	0,7	(-) 1,649E+06 (A)	1,4
				(-) 4,130E+05 (A)	1,6	(-) 2,160E+05 (A)	1,6	(-) 3,079E+05 (A)	0,6	(-) 1,425E+06 (A)	1,2
				n.b. n.b. (-) 2,638E+05 (A)	* < 200.000 < 67,10 < 72,78	n.b. n.b. (-) 1,188E+05 (A)	* < 200.000 < 128,77 < 139,13	n.b. n.b. (-) 2,998E+05 (A)	* < 250.000 < 34,67 < 43,38	n.b. n.b. (-) 5,406E+05 (A)	* < 350.000 < 19,99 < 23,13

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 17											
P1_XVII	206,5	I	173.427	(-) 1,825E+06 (A)	3,5	(-) 6,064E+05 (A)	5,9	(-) 5,545E+06 (A)	5,2	(-) 1,411E+07 (A)	6,4
				(-) 1,344E+05 (A)	0,3	(-) 3,427E+04 (A)	0,3	(-) 5,142E+06 (A)	4,8	(-) 1,657E+07 (A)	7,5
		II	189.185 198.036	n.b. n.b. (-) 7,233E+04 (A)	*< 200.000 < 32,39 < 439,95	n.b. n.b. (-) 4,573E+04 (A)	*< 200.000 < 97,48 < 1724,72	n.b. n.b. (-) 4,648E+06 (A)	*< 250.000 < 4,74 < 5,11	n.b. n.b. (-) 5,850E+06 (A)	*< 350.000 < 4,59 < 3,91
P2_XVII	212,1	I	173.427	(-) 7,502E+06 (A)	14,4	(-) 3,450E+06 (A)	33,3	(-) 2,108E+07 (A)	19,6	(-) 5,275E+07 (A)	23,8
				(-) 6,136E+06 (A)	11,8	(-) 3,065E+06 (A)	29,6	(-) 1,674E+07 (A)	15,6	(-) 4,768E+07 (A)	21,5
		II	189.185 198.036	n.b. n.b. (-) 3,927E+06 (A)	*< 200.000 < 7,67 < 9,38	n.b. n.b. (-) 2,912E+06 (A)	*< 200.000 < 16,68 < 18,78	n.b. n.b. (-) 1,482E+07 (A)	*< 250.000 < 1,21 < 1,52	n.b. n.b. (-) 1,788E+07 (A)	*< 350.000 < 1,20 < 1,32
P3_XVII	403,1	I	173.427	(-) 4,138E+06 (A)	8,0	(-) 1,544E+06 (A)	14,9	(-) 1,282E+07 (A)	11,9	(-) 2,940E+07 (A)	13,3
				(-) 3,190E+06 (A)	6,1	(-) 1,608E+06 (A)	15,5	(-) 1,045E+07 (A)	9,7	(-) 2,688E+07 (A)	12,1
		II	189.185 198.036	n.b. n.b. (-) 2,088E+06 (A)	*< 200.000 < 7,32 < 9,49	n.b. n.b. (-) 1,262E+06 (A)	*< 200.000 < 19,61 < 18,83	n.b. n.b. (-) 9,129E+06 (A)	*< 250.000 < 1,05 < 1,29	n.b. n.b. (-) 1,067E+07 (A)	*< 350.000 < 1,13 < 1,24

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 1 (P1/P2/P3; Patientencode 14116)											
P1_I	206,2	I	203.537	(-) 2,025E+06 (A)	6,2	(-) 8,525E+05 (A)	7,9	(-) 3,273E+06 (A)	4,9	(-) 7,396E+06 (A)	5,0
				(-) 1,491E+06 (A)	4,6	(-) 8,197E+05 (A)	7,6	(-) 2,907E+06 (A)	4,4	(-) 7,542E+06 (A)	5,1
		II	233.760 170.609	n.b. n.b. (-) 1,016E+06 (A)	* < 200.000 < 29,23 < 39,70	n.b. n.b. (-) 7,848E+05 (A)	* < 200.000 < 69,44 < 72,21	n.b. n.b. (-) 2,732E+06 (A)	* < 250.000 < 8,04 < 9,05	n.b. n.b. (-) 2,786E+05 (A)	* < 350.000 < 8,78 < 8,61
P2_I	220,4	I	203.537	(-) 9,603E+05 (A)	3,0	(-) 3,968E+05 (A)	3,7	(-) 1,421E+06 (A)	2,1	(-) 3,533E+06 (A)	2,4
				(-) 5,913E+05 (A)	1,8	(-) 3,743E+05 (A)	3,5	(-) 1,253E+06 (A)	1,9	(-) 3,141E+06 (A)	2,1
		II	233.760 170.609	n.b. n.b. (-) 4,324E+05 (A)	* < 200.000 < 57,67 < 93,67	n.b. n.b. (-) 3,594E+05 (A)	* < 200.000 < 139,58 < 147,97	n.b. n.b. (-) 1,240E+06 (A)	* < 250.000 < 17,32 < 19,64	n.b. n.b. (-) 1,161E+06 (A)	* < 350.000 < 17,19 < 19,33
P3_I	357,9	I	203.537	(-) 4,508E+05 (A)	1,4	(-) 2,269E+05 (A)	2,1	(-) 9,783E+05 (A)	1,5	(-) 2,029E+06 (A)	1,4
				(-) 4,002E+05 (A)	1,2	(-) 2,551E+05 (A)	2,4	(-) 7,678E+05 (A)	1,2	(-) 1,925E+06 (A)	1,3
		II	233.760 170.609	n.b. n.b. (-) 2,216E+05 (A)	* < 200.000 < 75,66 < 85,21	n.b. n.b. (-) 2,139E+05 (A)	* < 200.000 < 150,33 < 133,70	n.b. n.b. (-) 7,013E+05 (A)	* < 250.000 < 15,49 < 19,74	n.b. n.b. (-) 6,611E+05 (A)	* < 350.000 < 18,43 < 19,43

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Gehalt 2-HO-E2 pmol/g Gewebe	Gehalt 4-HO-E2 pmol/g Gewebe	Gehalt 2-HO-E1 pmol/g Gewebe	Gehalt 4-HO-E1 pmol/g Gewebe				
Frau 1 (P4/P5/P6; Patientencode 14116)											
P4_I	202,5	I	175.988	(-) 6,691E+06 (A)	12,6	(-) 2,452E+06 (A)	16,7	3,856E+04 (A) 1,171E+07 (A)	11,8	(-) 2,156E+07 (A)	13,1
		II	153.158 148.123	(-) 6,103E+06 (A)	11,5	2,430E+04 (A) 3,284E+06 (A)	22,4	3,539E+04 (A) 1,043E+07 (A)	10,5	5,107E+04 (A) 2,738E+07 (A)	16,6
					* < 200.000 < 9,01 < 9,88		* < 200.000 < 24,58 < 18,35		* < 250.000 < 2,29 < 2,57		* < 350.000 < 3,07 < 2,41
P5_I	218,0	I	175.988	2,755E+04 (A) 7,405E+06 (A)	14,0	(-) 2,991E+06 (A)	20,4	(-) 1,199E+07 (A)	12,1	5,127E+04 (A) 2,211E+07 (A)	13,4
		II	153.158 148.123	(-) 6,301E+06 (A)	11,9	2,247E+04 (A) 3,102E+06 (A)	21,2	(-) 1,014E+07 (A)	10,3	2,918E+04 (A) 2,351E+07 (A)	14,3
					* < 200.000 < 7,56 < 8,89		* < 200.000 < 18,72 < 18,05		* < 250.000 < 2,08 < 2,45		* < 350.000 < 2,78 < 2,61
P6_I	316,3	I	175.988	(-) 9,182E+05 (A)	1,7	(-) 4,627E+05 (A)	3,2	(-) 1,974E+06 (A)	2,0	(-) 4,096E+06 (A)	2,5
		II	153.158 148.123	(-) 7,632E+05 (A)	1,4	(-) 5,669E+05 (A)	3,9	(-) 1,524E+06 (A)	1,5	(-) 4,374E+06 (A)	2,7
					* < 200.000 < 42,03 < 50,57		* < 200.000 < 83,40 < 68,07		* < 250.000 < 8,69 < 11,25		* < 350.000 < 10,33 < 9,68

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 30 (Patientencode W006)											
P1_XXX	207,3	I	203.537	(-) 1,595E+06 (A)	4,9	(-) 2,593E+05 (A)	2,4	5,125E+04 (A) 6,420E+06 (A)	9,6	2,497E+04 (A) 1,219E+07 (A)	8,3
				(-) 1,397E+06 (A)	4,3	(-) 3,273E+05 (A)	3,0	3,301E+04 (A) 5,561E+06 (A)	8,3	2,837E+04 (A) 1,084E+07 (A)	7,4
		II	233.760 170.609	n.b. n.b. (-) 8,811E+05 (A)	* < 200.000 < 36,92 < 42,15	n.b. n.b. (-) 2,172E+05 (A)	* < 200.000 < 227,07 < 179,90	n.b. n.b. (-) 4,987E+06 (A)	* < 250.000 < 4,08 < 4,71	n.b. n.b. (-) 3,802E+06 (A)	* < 350.000 < 5,30 < 5,96
P2_XXX	211,7	I	203.537	(-) 4,571E+06 (A)	14,1	(-) 1,253E+06 (A)	11,6	5,523E+04 (A) 1,186E+07 (A)	17,8	3,333E+04 (A) 2,626E+07 (A)	17,8
				(-) 3,811E+06 (A)	11,7	(-) 1,170E+06 (A)	10,8	5,962E+04 (A) 1,007E+07 (A)	15,1	(-) 2,357E+07 (A)	16,0
		II	233.760 170.609	n.b. n.b. (-) 2,516E+06 (A)	* < 200.000 < 12,61 < 15,13	n.b. n.b. (-) x	* < 200.000 < 46,02 < 49,28	n.b. n.b. (-) 9,250E+06 (A)	* < 250.000 < 2,16 < 2,54	n.b. n.b. (-) 9,079E+06 (A)	* < 350.000 < 2,41 < 2,68
P3_XXX	346,1	I	203.537	(-) 2,316E+05 (A)	0,7	(-) 8,241E+04 (A)	0,8	(-) 4,379E+05 (A)	0,7	(-) 1,393E+06 (A)	0,9
				(-) 1,201E+05 (A)	0,4	(-) 6,760E+04 (A)	0,6	(-) 5,648E+05 (A)	0,8	(-) 1,297E+06 (A)	0,9
		II	233.760 170.609	n.b. n.b. (-) 7,793E+04 (A)	* < 200.000 < 152,15 < 293,37	n.b. n.b. (-) 7,446E+04 (A)	* < 200.000 < 427,58 < 521,24	n.b. n.b. (-) 4,115E+05 (A)	* < 250.000 < 35,79 < 27,75	n.b. n.b. (-) 4,121E+05 (A)	* < 350.000 < 27,77 < 29,82

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 12 (Patientencode 4322)											
P1_XII	205,1	I	179.128	(-) 3,501E+05 (A)	1,2	(-) 1,263E+05 (A)	1,9	2,569E+04 (A) 9,843E+05 (A)	1,7	(-) 2,428E+06 (A)	2,3
				(-) 2,700E+05 (A)	0,9	(-) 1,828E+05 (A)	2,8	(-) 7,377E+05 (A)	1,3	(-) 2,664E+06 (A)	2,6
		II	139.579 153.852	n.b. n.b. (-) 1,876E+05 (A)	*< 200.000 < 169,99 < 220,45	n.b. n.b. (-) 1,904E+05 (A)	*< 200.000 < 471,15 < 325,62	n.b. n.b. (-) 7,372E+05 (A)	*< 250.000 < 26,87 < 35,85	n.b. n.b. (-) 9,587E+05 (A)	*< 350.000 < 26,88 < 24,50
P2_XII	211,4	I	179.128	(-) 1,572E+05 (A)	0,5	(-) 3,123E+04 (A)	0,5	(-) 3,666E+05 (A)	0,6	(-) 9,633E+05 (A)	0,9
				(-) 1,266E+05 (A)	0,4	(-) 5,994E+04 (A)	0,9	(-) 2,103E+05 (A)	0,4	(-) 7,492E+05 (A)	0,7
		II	139.579 153.852	n.b. n.b. (-) 7,666E+04 (A)	*< 200.000 < 367,39 < 455,93	n.b. n.b. (-) 2,202E+04 (A)	*< 200.000 < 1848,73 < 963,29	n.b. n.b. (-) 1,855E+05 (A)	*< 250.000 < 69,98 < 121,99	n.b. n.b. (-) 3,534E+05 (A)	*< 350.000 < 65,74 < 84,52
P3_XII	351,3	I	179.128	2,437E+04 (A) 9,847E+06 (A)	33,5	4,164E+04 (A) 4,937E+06 (A)	74,4	3,172E+04 (A) 3,086E+07 (A)	52,8	1,394E+05 (A) 8,306E+07 (A)	79,7
				2,533E+04 (A) 8,264E+06 (A)	28,1	3,656E+04 (A) 3,857E+06 (A)	58,1	3,675E+04 (A) 2,442E+07 (A)	41,8	9,924E+04 (A) 6,894E+07 (A)	66,1
		II	139.579 153.852	n.b. n.b. (-) 5,594E+06 (A)	*< 200.000 < 3,53 < 4,20	n.b. n.b. (-) 3,639E+06 (A)	*< 200.000 < 7,04 < 9,01	n.b. n.b. (-) 4,539E+04 (A) 2,220E+07 (A)	*< 250.000 < 0,50 < 0,63	n.b. n.b. (-) 2,677E+04 (A) 2,676E+07 (A)	*< 350.000 < 0,46 < 0,55

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 7 (Patientencode 19832)											
P1_VII	212,4	I	179.128	2,240E+04 (A)	43,9	6,633E+04 (A)	90,5	1,167E+05 (A)	53,8	1,594E+05 (A)	89,4
				1,290E+07 (A)		6,002E+06 (A)		3,145E+07 (A)		9,319E+07 (A)	
		II	139.579 153.852	6,334E+04 (A)	35,7	4,673E+04 (A)	69,7	6,590E+04 (A)	41,4	5,171E+04 (A)	66,6
				1,048E+07 (A)		4,626E+06 (A)		2,421E+07 (A)		6,946E+07 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				(-)	< 4,45	(-)	< 9,57	(-)	< 0,82	(-)	< 0,68
				6,920E+06 (A)	< 5,48	4,206E+06 (A)	< 12,42	7,733E+04 (A)	< 1,05	3,930E+04 (A)	< 0,91
								2,159E+07 (A)		2,677E+07 (A)	
P2_VII	212,5	I	179.128	(-)	0,5	(-)	1,3	(-)	0,5	(-)	0,8
				1,584E+05 (A)		8,772E+04 (A)		2,937E+05 (A)		7,849E+05 (A)	
		II	139.579 153.852	(-)	0,4	(-)	0,7	(-)	0,5	(-)	0,7
				1,045E+05 (A)		4,446E+04 (A)		2,628E+05 (A)		7,757E+05 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				(-)	< 362,56	(-)	< 654,82	(-)	< 86,92	(-)	< 80,26
				5,524E+04 (A)	< 549,84	9,210E+04 (A)	< 1291,93	2,396E+05 (A)	< 97,12	2,978E+05 (A)	< 81,21
P3_VII	352,4	I	179.128	2,633E+04 (A)	28,8	2,475E+04 (A)	91,7	(-)	20,0	(-)	28,4
				8,468E+06 (A)		6,089E+06 (A)		1,172E+07 (A)		2,965E+07 (A)	
		II	139.579 153.852	2,740E+04 (A)	26,5	2,406E+04 (A)	73,2	2,706E+04 (A)	14,9	(-)	24,1
				7,798E+06 (A)		4,854E+06 (A)		8,708E+06 (A)		2,510E+07 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				(-)	< 4,09	(-)	< 5,69	(-)	< 1,31	(-)	< 1,28
				4,673E+06 (A)	< 4,44	4,666E+06 (A)	< 7,14	7,700E+06 (A)	< 1,77	9,841E+06 (A)	< 1,51

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 5 (Patientencode 21982)											
P1_V	290,0	I	162.865	(-)	11,1	(-)	10,4	3,493E+04 (A)	17,6	(-)	18,1
				4,424E+06 (A)	8,3	1,352E+06 (A)	9,1	8,374E+06 (A)	14,7	2,411E+07 (A)	14,0
		II	180.155 162.246	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 13,20	n.b.	< 37,46	n.b.	< 2,59	n.b.	< 2,66
				(-)	< 17,56	(-)	< 43,20	(-)	< 3,10	(-)	< 3,43
				2,123E+06 (A)		1,162E+06 (A)		7,554E+06 (A)		7,319E+06 (A)	
P2_V	213,6	I	162.865	(-)	46,9	2,558E+04 (A)	49,4	4,878E+04 (A)	66,3	1,108E+05 (A)	79,4
				1,875E+07 (A)	37,0	7,376E+06 (A)	40,4	3,778E+07 (A)	53,8	1,060E+08 (A)	69,3
		II	180.155 162.246	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 3,23	n.b.	< 8,21	n.b.	< 0,71	n.b.	< 0,63
				2,062E+04 (A)	< 4,09	4,580E+04 (A)	< 10,05	3,133E+04 (A)	< 0,88	4,131E+04 (A)	< 0,72
				2,977E+07 (A)		3,574E+07 (A)		2,977E+07 (A)		3,574E+07 (A)	
P3_V	336,6	I	162.865	(-)	13,3	(-)	13,2	(-)	30,9	(-)	31,5
				5,317E+06 (A)	12,1	1,976E+06 (A)	11,0	1,761E+07 (A)	25,4	4,209E+07 (A)	26,3
		II	180.155 162.246	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 6,82	n.b.	< 18,35	n.b.	< 0,92	n.b.	< 0,94
				(-)	< 7,48	(-)	< 22,03	(-)	< 1,11	(-)	< 1,13
				2,982E+06 (A)		1,401E+06 (A)		1,373E+07 (A)		1,402E+07 (A)	

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 11 (Patientencode 22037)											
P1_XI	200,2	I	254.630	6,626E+04 (A) 2,704E+07 (A) 4,123E+04 (A) 2,505E+07 (A)	64,9 60,1	1,669E+05 (A) 1,847E+07 (A) 8,465E+04 (A) 1,657E+07 (A)	160,8 144,3	2,783E+05 (A) 4,376E+07 (A) 2,687E+05 (A) 3,750E+07 (A)	49,1 42,0	5,346E+05 (A) 1,335E+08 (A) 5,015E+05 (A) 1,174E+08 (A)	70,5 62,0
		II	261.184 218.315	n.b. n.b. (-) 1,582E+07 (A)	* < 200.000 < 2,25 < 2,43	n.b. n.b. (-) 3,892E+04 (A) 1,573E+07 (A)	* < 200.000 < 3,30 < 3,68	n.b. n.b. (-) 1,938E+05 (A) 3,409E+07 (A)	* < 250.000 < 0,62 < 0,72	n.b. n.b. (-) 2,904E+05 (A) 4,636E+07 (A)	* < 350.000 < 0,50 < 0,57
P2_XI	215,5	I	254.630	9,271E+04 (A) 2,117E+07 (A) 6,639E+04 (A) 1,856E+07 (A)	50,8 44,5	1,158E+05 (A) 1,454E+07 (A) 9,640E+04 (A) 1,270E+07 (A)	126,6 110,6	2,224E+05 (A) 3,956E+07 (A) 2,658E+05 (A) 3,405E+07 (A)	44,3 38,2	3,749E+05 (A) 1,208E+08 (A) 3,473E+05 (A) 1,031E+08 (A)	63,8 54,5
		II	261.184 218.315	n.b. n.b. (-) 1,195E+07 (A)	* < 200.000 < 2,68 < 3,05	n.b. n.b. (-) 1,166E+07 (A)	* < 200.000 < 3,90 < 4,46	n.b. n.b. (-) 9,213E+04 (A) 3,173E+07 (A)	* < 250.000 < 0,64 < 0,74	n.b. n.b. (-) 2,107E+05 (A) 4,000E+07 (A)	* < 350.000 < 0,51 < 0,60
P3_XI	335,9	I	254.630	2,218E+04 (A) 9,277E+06 (A) 2,878E+04 (A) 8,044E+06 (A)	22,3 19,3	4,112E+04 (A) 6,898E+06 (A) 6,001E+04 (A) 5,654E+06 (A)	60,1 49,2	1,372E+05 (A) 1,753E+07 (A) 1,135E+05 (A) 1,371E+07 (A)	19,6 15,4	2,568E+05 (A) 5,426E+07 (A) 1,320E+05 (A) 4,549E+07 (A)	28,7 24,0
		II	261.184 218.315	n.b. n.b. (-) 5,337E+06 (A)	* < 200.000 < 3,92 < 4,52	n.b. n.b. (-) 2,085E+04 (A) 5,316E+06 (A)	* < 200.000 < 5,27 < 6,43	n.b. n.b. (-) 5,315E+04 (A) 1,276E+07 (A)	* < 250.000 < 0,92 < 1,18	n.b. n.b. (-) 1,017E+05 (A) 1,766E+07 (A)	* < 350.000 < 0,73 < 0,88

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 2 (Patientencode 21640)											
P1_II	206,4	I	254.630	2,994E+04 (A)	0,5	5,800E+04 (A)	0,9	1,031E+05 (A)	51,3	1,224E+05 (A)	69,4
				2,158E+07 (A)		1,045E+07 (A)		4,579E+07 (A)		1,314E+08 (A)	
		II	261.184 218.315	3,796E+04 (A)	0,4	(-)	* < 200.000	1,113E+05 (A)	* < 250.000	2,925E+04 (A)	* < 350.000
				1,829E+07 (A)		8,835E+06 (A)		3,409E+07 (A)		4,098E+07 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.		< 2,74		< 5,66		< 0,58	
				(-)	< 3,23	(-)	< 6,69	8,727E+04 (A)	< 0,77	5,181E+04 (A)	< 1,58
				1,156E+07 (A)		8,345E+06 (A)		3,689E+07 (A)		1,073E+08 (A)	
P2_II	228,9	I	254.630	3,888E+04 (A)	0,6	8,079E+04 (A)	0,9	2,922E+04 (A)	52,9	2,697E+04 (A)	65,9
				2,391E+07 (A)		9,811E+06 (A)		4,718E+07 (A)		1,247E+08 (A)	
		II	261.184 218.315	4,937E+04 (A)	0,5	3,836E+04 (A)	0,8	8,100E+04 (A)	43,7	7,443E+04 (A)	54,8
				1,988E+07 (A)		8,715E+06 (A)		3,903E+07 (A)		1,038E+08 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.		< 2,23		< 5,44		< 0,50	
				2,370E+04 (A)	< 2,68	2,409E+04 (A)	< 6,12	8,258E+04 (A)	< 0,61	5,474E+04 (A)	< 0,56
				1,258E+07 (A)		8,158E+06 (A)		3,631E+07 (A)		3,994E+07 (A)	
P3_II	334,4	I	254.630	7,123E+04 (A)	0,5	9,484E+04 (A)	0,9	9,809E+04 (A)	47,3	1,101E+05 (A)	66,3
				1,924E+07 (A)		9,989E+06 (A)		4,216E+07 (A)		1,254E+08 (A)	
		II	261.184 218.315	5,880E+04 (A)	0,4	7,236E+04 (A)	0,7	1,044E+05 (A)	39,4	1,156E+05 (A)	58,5
				1,730E+07 (A)		8,549E+06 (A)		3,518E+07 (A)		1,107E+08 (A)	
				n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.		< 1,90		< 3,65		< 0,38	
				(-)	< 2,11	(-)	< 4,27	9,046E+04 (A)	< 0,46	(-)	< 0,36
				1,098E+07 (A)		7,990E+06 (A)		3,356E+07 (A)		4,298E+07 (A)	

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 25 (Patientencode 3363)											
P1_XXV	204,8	I	183.054	(-) 1,051E+07 (A)	21,3	(-) 3,172E+06 (A)	22,1	1,762E+05 (A) 1,641E+07 (A)	17,0	7,563E+04 (A) 2,860E+07 (A)	13,1
				(-) 7,835E+06 (A)	15,9	(-) 3,706E+06 (A)	25,8	6,656E+04 (A) 1,234E+07 (A)	12,8	6,832E+04 (A) 2,781E+07 (A)	12,7
		II	134.102 134.289	n.b. n.b.	* < 200.000 < 5,67 < 7,61	n.b. n.b.	* < 200.000 < 18,79 < 16,08	n.b. n.b.	* < 250.000 < 1,61 < 2,15	n.b. n.b.	* < 350.000 < 2,29 < 2,35
P2_XXV	208,2	I	183.054	(-) 1,266E+07 (A)	25,7	(-) 5,755E+06 (A)	40,1	(-) 2,053E+07 (A)	21,2	(-) 4,402E+07 (A)	20,1
				(-) 1,023E+07 (A)	20,8	(-) 5,730E+06 (A)	39,9	6,502E+04 (A) 1,609E+07 (A)	16,6	6,109E+04 (A) 4,099E+07 (A)	18,8
		II	134.102 134.289	n.b. n.b.	* < 200.000 < 4,63 < 5,73	n.b. n.b.	* < 200.000 < 10,19 < 10,23	n.b. n.b.	* < 250.000 < 1,27 < 1,62	n.b. n.b.	* < 350.000 < 1,46 < 1,57
P3_XXV	403,9	I	183.054	(-) 2,412E+07 (A)	49,0	(-) 8,330E+05 (A)	5,8	(-) 4,216E+06 (A)	4,4	(-) 8,609E+06 (A)	3,9
				(-) 1,840E+06 (A)	3,7	(-) 6,454E+05 (A)	4,5	(-) 2,940E+06 (A)	3,0	(-) 6,389E+06 (A)	2,9
		II	134.102 134.289	n.b. n.b.	* < 200.000 < 1,25 < 16,42	n.b. n.b.	* < 200.000 < 36,28 < 46,82	n.b. n.b.	* < 250.000 < 3,19 < 4,57	n.b. n.b.	* < 350.000 < 3,85 < 5,19
				(-) 1,254E+06 (A)		(-) 7,479E+05 (A)		(-) 2,671E+06 (A)		(-) 2,267E+06 (A)	

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 13 (Patientencode 22554)											
P1_XIII	210,3	I	173.427	(-) 4,459E+05 (A)	0,9	(-) 1,010E+05 (A)	1,0	(-) 6,811E+05 (A)	0,6	(-) 1,028E+06 (A)	0,5
				(-) 3,856E+05 (A)	0,7	(-) 1,015E+05 (A)	1,0	(-) 6,008E+05 (A)	0,6	(-) 1,044E+06 (A)	0,5
		II	189.185 198.036	n.b. n.b. (-) 2,878E+05 (A)	* < 200.000 < 130,16 < 150,53	n.b. n.b. (-) 7,142E+04 (A)	* < 200.000 < 574,61 < 571,86	n.b. n.b. (-) 5,498E+05 (A)	* < 250.000 < 37,87 < 42,93	n.b. n.b. (-) 3,822E+05 (A)	* < 350.000 < 61,92 < 60,97
P2_XIII	216,9	I	173.427	(-) 1,060E+06 (A)	2,0	(-) 2,216E+05 (A)	2,1	(-) 1,799E+06 (A)	1,7	(-) 2,737E+06 (A)	1,2
				(-) 9,547E+05 (A)	1,8	(-) 1,989E+05 (A)	1,9	(-) 1,629E+06 (A)	1,5	(-) 2,435E+06 (A)	1,1
		II	189.185 198.036	n.b. n.b. (-) 6,469E+05 (A)	* < 200.000 < 53,09 < 58,95	n.b. n.b. (-) 1,732E+05 (A)	* < 200.000 < 253,96 < 282,96	n.b. n.b. (-) 1,419E+06 (A)	* < 250.000 < 13,90 < 15,35	n.b. n.b. (-) 8,835E+05 (A)	* < 350.000 < 22,55 < 25,35
P3_XIII	401,7	I	173.427	(-) 1,704E+05 (A)	0,3	(-) 3,518E+04 (A)	0,3	(-) 2,587E+05 (A)	0,2	(-) (-)	-
				(-) 1,344E+05 (A)	0,3	(-) 3,427E+04 (A)	0,3	(-) 2,021E+05 (A)	0,2	(-) 2,851E+05 (A)	0,2
		II	189.185 198.036	n.b. n.b. (-) 7,233E+04 (A)	* < 200.000 < 178,33 < 226,16	n.b. n.b. (-) 4,573E+04 (A)	* < 200.000 < 863,81 < 886,62	n.b. n.b. (-) 1,812E+05 (A)	* < 250.000 < 52,20 < 66,83	n.b. n.b. (-) 1,447E+05 (A)	* < 350.000 < - < 116,88

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1					
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄				
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe				
Frau 14 (Patientencode 546)															
P1_XIV	206,3	I	230.429	(-)	1,035E+06 (A)	3,2	(-)	3,419E+05 (A)	5,2	(-)	2,238E+06 (A)	3,4	(-)	5,685E+06 (A)	4,4
				(-)	8,138E+05 (A)	2,5	(-)	2,298E+05 (A)	3,5	(-)	1,561E+06 (A)	2,4	(-)	4,419E+06 (A)	3,4
		II	149.323 197.157	n.b. n.b.	* < 200.000 < 57,17 < 72,71	n.b. n.b.	* < 200.000 < 173,04 < 257,45	n.b. n.b.	* < 250.000 < 11,75 < 16,84	n.b. n.b.	* < 350.000 < 11,41 < 14,68				
P2_XIV	212,6	I	230.429	(-)	4,506E+05 (A)	1,4	(-)	1,404E+05 (A)	2,1	(-)	5,547E+05 (A)	0,9	(-)	1,247E+06 (A)	1,0
				(-)	3,849E+05 (A)	1,2	(-)	1,149E+05 (A)	1,8	(-)	3,328E+05 (A)	0,5	(-)	1,278E+06 (A)	1,0
		II	149.323 197.157	n.b. n.b.	* < 200.000 < 127,43 < 149,18	n.b. n.b.	* < 200.000 < 408,95 < 499,86	n.b. n.b.	* < 250.000 < 46,00 < 76,66	n.b. n.b.	* < 350.000 < 50,49 < 49,27				
P3_XIV	409,6	I	230.429	(-)	6,579E+04 (A)	0,2	(-)	7,680E+04 (A)	1,2	(-)	-	-	(-)	8,602E+05 (A)	0,7
				(-)	(-)	-	(-)	2,280E+04 (A)	0,3	(-)	9,841E+04 (A)	0,2	(-)	8,761E+05 (A)	0,7
		II	149.323 197.157	n.b. n.b.	* < 200.000 < 452,97 < -	n.b. n.b.	* < 200.000 < 388,03 < 1306,96	n.b. n.b.	* < 250.000 < - < 134,57	n.b. n.b.	* < 350.000 < 37,99 < 37,31				

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 16 (Patientencode 22727)											
P1_XVI	204,6	I	230.429	(-)	34,7	5,515E+04 (A)	93,7	1,208E+05 (A)	41,9	9,809E+04 (A)	53,8
				1,121E+07 (A)	6,122E+06 (A)	2,729E+07 (A)	6,964E+07 (A)	(-)	30,0	(-)	4,902E+04 (A)
P1_XVI	204,6	II	149.323 197.157	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 5,32	n.b.	< 9,74	n.b.	< 0,97	n.b.	< 0,94
P1_XVI	204,6	II	149.323 197.157	(-)	< 6,16	(-)	< 10,43	(-)	< 1,12	(-)	< 0,96
				6,681E+06 (A)	5,649E+06 (A)	3,162E+04 (A)	2,160E+07 (A)	4,642E+04 (A)	2,635E+07 (A)		
P2_XVI	205,2	I	230.429	3,454E+04 (A)	18,7	5,651E+04 (A)	42,8	4,707E+04 (A)	30,4	6,149E+04 (A)	38,0
				6,053E+06 (A)	2,793E+06 (A)	1,984E+07 (A)	4,915E+07 (A)	2,212E+04 (A)	2,259E+06 (A)	6,703E+04 (A)	3,003E+04 (A)
P2_XVI	205,2	II	149.323 197.157	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 9,83	n.b.	< 21,30	n.b.	< 1,33	n.b.	< 1,33
P2_XVI	205,2	II	149.323 197.157	(-)	< 11,23	(-)	< 26,33	(-)	< 1,64	(-)	< 1,52
				3,272E+06 (A)	2,267E+06 (A)	1,462E+07 (A)	1,644E+07 (A)				
P3_XVI	418,2	I	230.429	(-)	6,9	2,537E+04 (A)	21,2	(-)	10,3	3,800E+04 (A)	12,8
				2,225E+06 (A)	1,382E+06 (A)	6,735E+06 (A)	1,660E+07 (A)	(-)	2,052E+04 (A)	4,843E+04 (A)	1,775E+06 (A)
P3_XVI	418,2	II	149.323 197.157	n.b.	* < 200.000	n.b.	* < 200.000	n.b.	* < 250.000	n.b.	* < 350.000
				n.b.	< 13,12	n.b.	< 21,12	n.b.	< 1,93	n.b.	< 1,93
P3_XVI	418,2	II	149.323 197.157	(-)	< 15,53	(-)	< 21,13	(-)	< 2,20	(-)	< 18,03
				1,133E+06 (A)	1,378E+06 (A)	5,282E+06 (A)	6,786E+06 (A)				

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 8 (P1/P2/P3; Patientencode 22270)											
P1_VIII	219,8	I	197.434	(-) 4,904E+06 (A)	15,1	(-) 2,324E+06 (A)	38,8	(-) 1,435E+07 (A)	18,5	(-) 3,007E+07 (A)	17,1
				(-) 3,989E+06 (A)	12,3	(-) 2,087E+06 (A)	34,8	(-) 1,070E+07 (A)	13,8	(-) 2,634E+07 (A)	15,0
		II	135.728 143.180	n.b. n.b. (-) 3,134E+06 (A)	*< 200.000 < 11,32 < 13,92	n.b. n.b. (-) 2,461E+06 (A)	*< 200.000 < 23,90 < 26,61	n.b. n.b. (-) 9,166E+06 (A)	*< 250.000 < 1,72 < 2,31	n.b. n.b. (-) 8,828E+06 (A)	*< 350.000 < 2,03 < 2,31
P2_VIII	210,6	I	197.434	(-) 8,371E+06 (A)	25,8	(-) 5,611E+06 (A)	93,6	(-) 2,073E+07 (A)	26,8	(-) 5,265E+07 (A)	30,0
				(-) 6,728E+06 (A)	20,7	(-) 4,202E+06 (A)	70,1	(-) 1,616E+07 (A)	20,9	(-) 4,211E+07 (A)	24,0
		II	135.728 143.180	n.b. n.b. (-) 5,157E+06 (A)	*< 200.000 < 6,92 < 8,61	n.b. n.b. (-) 5,280E+06 (A)	*< 200.000 < 10,33 < 13,79	n.b. n.b. (-) 1,308E+07 (A)	*< 250.000 < 1,24 < 1,59	n.b. n.b. (-) 1,412E+07 (A)	*< 350.000 < 1,21 < 1,51
P3_VIII	413,7	I	197.434	(-) 9,034E+06 (A)	27,8	(-) 5,748E+06 (A)	95,8	(-) 2,551E+07 (A)	32,9	(-) 6,764E+07 (A)	38,5
				(-) 7,466E+06 (A)	23,0	(-) 5,328E+06 (A)	88,9	(-) 1,929E+07 (A)	24,9	(-) 5,876E+07 (A)	33,4
		II	135.728 143.180	n.b. n.b. (-) 6,078E+06 (A)	*< 200.000 < 3,27 < 3,95	n.b. n.b. (-) 5,732E+06 (A)	*< 200.000 < 5,13 < 5,54	n.b. n.b. (-) 1,596E+07 (A)	*< 250.000 < 0,51 < 0,68	n.b. n.b. (-) 1,977E+07 (A)	*< 350.000 0,48 < 0,55

Proben-nummer	Einwaage (mg)	Messung	Geräte-standard (1 pg E2/Säule)	2-HO-E2		4-HO-E2		2-HO-E1		4-HO-E1	
				Quantifier (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier (430_345) (434_345)	WFR (%) 2-HO-E1-d ₄	Quantifier (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
				Qualifier (504_325) (507_327)	Gehalt 2-HO-E2 pmol/g Gewebe	Qualifier (504_325) (507_327)	Gehalt 4-HO-E2 pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe	Qualifier (434_306) (434_308)	Gehalt pmol/g Gewebe
Frau 8 (P4/P5/P6; Patientencode 22270)											
P4_VIII	205,6	I	219.792	(-) 1,187E+07 (A)	42,4	(-) 5,722E+06 (A)	42,6	(-) 1,926E+07 (A)	35,8	(-) 3,839E+07 (A)	32,2
				(-) 8,708E+06 (A)	31,1	(-) 5,641E+06 (A)	42,0	(-) 1,316E+07 (A)	24,4	(-) 3,187E+07 (A)	26,8
		II	202.605 149.125	n.b. n.b. (-) 5,647E+06 (A)	*< 200.000 < 5,00 < 6,82	n.b. n.b. (-) 4,800E+06 (A)	*< 200.000 < 10,38 < 10,52	n.b. n.b. (-) 1,218E+07 (A)	*< 250.000 < 1,37 < 2,00	n.b. n.b. (-) 1,225E+07 (A)	*< 350.000 < 1,70 < 2,04
P5_VIII	209,5	I	219.792	(-) 4,737E+06 (A)	16,9	(-) 1,993E+06 (A)	14,8	(-) 8,317E+06 (A)	15,4	(-) 1,491E+07 (A)	12,5
				(-) 3,383E+06 (A)	12,1	(-) 1,638E+06 (A)	12,2	(-) 5,515E+06 (A)	10,2	(-) 1,214E+07 (A)	10,2
		II	202.605 149.125	n.b. n.b. (-) 2,313E+06 (A)	*< 200.000 < 12,30 < 17,22	n.b. n.b. (-) 1,574E+06 (A)	*< 200.000 < 29,23 < 35,57	n.b. n.b. (-) 5,098E+06 (A)	*< 250.000 < 3,11 < 4,69	n.b. n.b. (-) 4,788E+06 (A)	*< 350.000 < 4,29 < 5,26
P6_VIII	411,1	I	219.792	(-) 1,456E+06 (A)	5,2	(-) 4,233E+05 (A)	3,2	(-) 2,020E+06 (A)	3,8	(-) 4,929E+05 (A)	4,1
				(-) 1,089E+06 (A)	3,9	(-) 4,994E+05 (A)	3,7	(-) 1,592E+06 (A)	3,0	(-) 4,645E+06 (A)	3,9
		II	202.605 149.125	n.b. n.b. (-) 5,985E+05 (A)	*< 200.000 < 20,39 < 27,26	n.b. n.b. (-) 5,019E+05 (A)	*< 200.000 < 70,14 < 59,46	n.b. n.b. (-) 1,431E+06 (A)	*< 250.000 < 6,53 < 8,29	n.b. n.b. (-) 1,693E+06 (A)	*< 350.000 < 6,60 < 7,01

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 2-HO-E2 (504_373) (507_373)	WFR (%) 2-HO-E2-d ₃	Quantifier 4-HO-E2 (504_373) (507_373)	WFR (%) 4-HO-E2-d ₃	Quantifier 2-HO-E1 (430_345) (434_345)	WFR (%) 2-HO-E2-d ₄	Quantifier 4-HO-E1 (430_345) (434_345)	WFR (%) 4-HO-E1-d ₄
					Gehalt 2-HO-E2 pmol/g Gewebe		Gehalt 4-HO-E2 pmol/g Gewebe		Gehalt 2-HO-E1 pmol/g Gewebe		Gehalt 4-HO-E1 pmol/g Gewebe
Frau 29 (P4/P5/P6; Patientencode W005)											
P4_XXIX	202,5	I	214.211	(-) 4,515E+06 (A)	8,9	(-) 1,495E+06 (A)	15,6	7,610E+04 (A) 9,030E+06 (A)	10,5	4,267E+04 (A) 1,538E+07 (A)	11,7
		II	192.906 143.742	(-) 5,389E+06 (A)	10,6 * < 200.000 < 13,35 < 11,19	(-) 3,624E+06 (A)	37,9 * < 200.000 < 40,32 < 16,63	1,115E+07 (A)	13,0 * < 250.000 < 2,97 < 2,40	2,867E+07 (A)	21,9 * < 350.000 < 4,30 < 2,31
P5_XXIX	207,1	I	214.211	(-) 3,414E+06 (A)	6,7	(-) 1,264E+06 (A)	13,2	3,480E+04 (A) 6,144E+06 (A)	7,2	5,299E+04 (A) 1,079E+07 (A)	8,2
		II	192.906 143.742	(-) 3,908E+06 (A)	7,7 * < 200.000 < 17,26 < 15,08	(-) 2,248E+06 (A)	23,5 * < 200.000 < 46,63 < 26,22	7,383E+06 (A)	8,6 * < 250.000 < 4,26 < 3,55	2,057E+07 (A)	15,7 * < 350.000 < 5,99 < 3,14
P6_XXIX	331,5	I	214.211	(-) 1,120E+07 (A)	22,0	(-) 4,272E+06 (A)	44,7	9,630E+04 (A) 1,955E+07 (A)	22,8	5,769E+04 (A) 4,278E+07 (A)	32,7
		II	192.906 143.742	(-) 1,162E+07 (A)	22,8 * < 200.000 < 3,29 < 3,17	(-) 6,782E+06 (A)	70,9 * < 200.000 < 8,62 < 5,43	2,102E+07 (A)	24,5 * < 250.000 < 0,84 < 0,78	6,275E+07 (A)	47,9 * < 350.000 < 0,94 < 0,64
Frau 26 (P4/P5/P6; Patientencode 22755)											
P4_XXVI	203,0	I	214.211	(-) 1,716E+06 (A)	3,4	(-) 4,565E+05 (A)	4,8	5,025E+04 (A) 1,153E+06 (A)	1,3	(-) 5,787E+06 (A)	4,4
		II	192.906 143.742	(-) 2,053E+06 (A)	4,0 * < 200.000 < 30,93 < 25,85	(-) 3,779E+05 (A)	4,0 * < 200.000 < 116,25 < 140,45	1,117E+06 (A)	1,3 * < 250.000 < 23,17 < 23,92	4,245E+06 (A)	3,2 * < 350.000 < 11,40 < 15,53
P5_XXVI	216,1	I	214.211	(-) 6,351E+04 (A)	0,1	(-) 8,090E+04 (A)	0,8	(-) (-)	-	(-) 7,091E+05 (A)	0,5
		II	192.906 143.742	(-) 1,010E+05 (A)	0,2 * < 200.000 < 889,38 < 559,35	(-) 6,431E+04 (A)	0,7 * < 200.000 < 698,23 < 878,32	8,342E+04 (A)	0,1 * < 250.000 < - < 300,89	3,343E+05 (A)	0,3 * < 350.000 < 87,37 < 185,28

P6_XXVI	326,4	I	214.211	(-) 1,607E+05 (A)	0,3	(-) 1,012E+05 (A)	1,1	(-) 2,105E+05 (A)	0,2	(-) 7,815E+05 (A)	0,6
		II	192.906 143.742	(-) 2,081E+05 (A)	0,4	(-) 1,029E+05 (A)	1,1	(-) 2,081E+05 (A)	0,2	(-) 6,970E+05 (A)	0,5
					*< 200.000 < 232,76 < 179,69		*< 200.000 < 369,49 < 363,33		*< 250.000 < 78,95 < 79,88		*< 350.000 < 52,48 < 58,84

Tab. 7: Absolute Peakflächen (PF, Counts) des *Quantifier*- und *Qualifier*-Übergangs von 16- α -HO-E2 und E2-Methylierungsprodukten (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) sowie deren Gehalt in 1 g Brustgewebe. Messung mittels *GC/MS/MS* unter Verwendung von unterschiedlichen Messmethoden: M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwell-time*: 0,15 sec. bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwell-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analoga M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwell-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (*I_E1_E2_Metabolite_deuteriert_undeuteriert.mth*). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. * NWG. Für die Berechnung der Wiederfindung wurden die MW der PF aus den jeweiligen Mess-Methoden gebildet und mit dem MW aus der jeweiligen Referenz I und II ins Verhältnis gesetzt und die prozentuale WFR berechnet. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 0									
P1_0	204,4	I	220.317	(-)	100,8	(-)	41,9	(-)	77,6
		II	221.427 200.190	9,050E+05 (A) (-) 5,923E+05 (A)		7,267E+05 (A) (-) 6,686E+05 (A)		4,567E+05 (A) (-) 2,544E+05 (A)	
					* < 250.000 < 19,29 < 29,47			* < 50.000 < 0,33 < 0,36	* < 50.000 < 0,22 < 0,40
P2_0	205,8	I	220.317	(-)	88,1	(-)	41,9	(-)	60,2
		II	221.427 200.190	7,906E+05 (A) (-) 6,970E+05 (A)		7,267E+05 (A) (-) 7,774E+05 (A)		3,539E+05 (A) (-) 4,155E+05 (A)	
					* < 250.000 < 21,93 < 24,88			* < 50.000 < 0,33 < 0,31	* < 50.000 < 0,28 < 0,24
P3_0	352,5	I	220.317	(-)	78,4	(-)	55,7	(-)	78,8
		II	221.427 200.190	7,035E+05 (A) (-) 7,666E+05 (A)		9,652E+05 (A) (-) 8,291E+05 (A)		4,638E+05 (A) (-) 5,369E+05 (A)	
					* < 250.000 < 14,39 < 13,20			* < 50.000 < 0,14 < 0,17	* < 50.000 < 0,13 < 0,11

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃	
				Gehalt 16- α -HO-E2 pmol/g Gewebe	Gehalt 2-MeO-E2 pmol/g Gewebe	Gehalt 4-MeO-E2 pmol/g Gewebe				
Frau 31 (Patientencode 22886)										
P1_XXXI	203,4	I	220.317	(-)		(-)		(-)		
		II	221.427	3,783E+05 (A)	42,2	5,246E+05 (A)	30,3	1,661E+05 (A)	28,2	
			200.190	(-)		(-)		(-)		
				3,584E+05 (M)	39,9	4,562E+05 (A)	26,3	2,120E+05 (A)	36,0	
					* < 250.000		* < 50.000		* < 50.000	
					< 33,13		< 0,46		< 0,61	
					< 34,97		< 0,53		< 0,48	
P2_XXXI	219,8	I	220.317	(-)		(-)		(-)		
		II	221.427	5,602E+05 (A)	62,4	1,266E+06 (A)	73,0	4,913E+05 (A)	83,5	
			200.190	(-)		(-)		(-)		
				5,614E+05 (A)	62,6	1,109E+06 (A)	64,0	3,484E+05 (A)	59,2	
					* < 250.000		* < 50.000		* < 50.000	
					< 20,70		< 0,18		< 0,19	
					< 20,65		< 0,20		< 0,27	
P3_XXXI	327,9	I	220.317	(-)		(-)		(-)		
		II	221.427	5,841E+04 (M)	6,5	7,084E+04 (A)	4,1	3,151E+04 (A)	5,4	
			200.190	(-)		(-)		(-)		
				4,699E+04 (M)	5,2	8,050E+04 (A)	4,6	7,402E+04 (A)	12,6	
					* < 250.000		* < 50.000		* < 50.000	
					< 133,07		< 2,12		< 2,00	
					< 165,43		< 1,87		< 0,85	

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)	
				16-α-HO-E2 (504_414) (507_417)	16-α-HO-E2- d ₃	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃	
					Gehalt			Gehalt		
					16-α-HO-E2			2-MeO-E2		
					pmol/g			pmol/g		
					Gewebe			Gewebe		
Frau 10 (Patientencode 22342)										
P1_X	205,7	I	220.317	(-)		(-)		(-)		
		II	221.427	7,756E+05 (A)	86,4	7,552E+05 (A)	43,6	2,762E+05 (A)	46,9	
		200.190	(-)		(-)		(-)		(-)	
P2_X	207,9	I	220.317	(-)		(-)		(-)		
		II	221.427	7,229E+05 (A)	80,6	9,524E+05 (A)	54,9	3,816E+05 (A)	64,9	
		200.190	(-)		(-)		(-)		(-)	
P3_X	321,6	I	220.317	(-)		(-)		(-)		
		II	221.427	6,047E+05 (A)	67,4	8,411E+05 (A)	48,5	4,484E+05 (A)	76,2	
		200.190	(-)		(-)		(-)		(-)	
					5,393E+05 (A)	60,1	7,060E+05 (A)	40,7	3,480E+05 (A)	59,2
					* < 200.000		* < 50.000		* < 50.000	
					< 10,48		< 0,18		< 0,14	
					< 11,76		< 0,22		< 0,18	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16-α-HO-E2 (504_414) (507_417)	WFR (%) 16-αHO-E2-d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 15 (Patientencode W003)									
P1_XV	209,0	I	175.988	(-) 5,285E+05 (A)	57,9	(-) 5,111E+05 (A)	29,2	(-) 2,703E+05 (A)	40,3
		II	153.158	(-)	65,1	(-)	26,4	(-)	43,1
			148.123	5,938E+05 (A)		4,626E+05 (A)		2,890E+05 (A)	
				* < 150.000 < 13,84 < 12,32		* < 50.000 < 0,46 < 0,51		* < 50.000 < 0,37 < 0,34	
P2_XV	216,6	I	175.988	(-) 4,320E+05 (A)	47,3	(-) 3,986E+05 (A)	22,8	(-) 2,589E+05 (A)	38,6
		II	153.158	(-)	32,3	(-)	20,0	(-)	22,7
			148.123	2,949E+05 (A)		3,510E+05 (A)		1,522E+05 (A)	
				* < 150.000 < 16,34 < 23,94		* < 50.000 < 0,57 < 0,65		* < 50.000 < 0,37 < 0,63	
P3_XV	321,8	I	175.988	(-) 4,839E+05 (A)	53,0	(-) 8,049E+05 (A)	46,0	(-) 2,788E+05 (A)	41,6
		II	153.158	(-)	39,3	(-)	35,6	(-)	41,1
			148.123	3,584E+05 (A)		6,231E+05 (A)		2,758E+05 (A)	
				* < 150.000 < 9,82 < 13,26		* < 50.000 < 0,19 < 0,25		* < 50.000 < 0,23 < 0,23	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 21 (Patientencode 22548)									
P1_XXI	205,6	I	172.985	(-)	86,9	(-)	56,0	(-)	71,0
		II	137.585	(-)	90,9	(-)	50,7	(-)	70,0
			147.095	7,446E+05 (A)		8,371E+05 (A)		4,833E+05 (A)	
				* < 250.000			* < 50.000		
				< 17,43			< 0,26		
				< 16,65			< 0,29		
P2_XXI	202,2	I	172.985	(-)	42,9	(-)	52,7	(-)	55,9
		II	137.585	(-)	33,4	(-)	42,9	(-)	47,0
			147.095	2,737E+05 (A)		7,087E+05 (A)		3,245E+05 (A)	
				* < 250.000			* < 50.000		
				< 35,87			< 0,28		
				< 46,06			< 0,34		
P3_XXI	329,1	I	172.985	(-)	42,7	(-)	33,2	(-)	42,0
		II	137.585	(-)	38,5	(-)	38,4	(-)	56,1
			147.095	3,150E+05 (A)		6,344E+05 (A)		3,873E+05 (A)	
				* < 250.000			* < 50.000		
				< 22,15			< 0,27		
				< 24,59			< 0,24		

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16-α-HO-E2 (504_414) (507_417)	16-αHO-E2- d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 26 (Patientencode 22755)									
P1_XXVI	206,6	I	172.985	(-)	92,0	(-)	35,8	(-)	51,0
		II	137.585	(-)	62,7	(-)	28,7	(-)	44,8
			147.095	5,132E+05 (A)		4,732E+05 (A)		3,097E+05 (A)	
P2_XXVI	221,5	I	172.985	(-)	64,3	(-)	20,8	(-)	36,6
		II	137.585	(-)	56,1	(-)	24,2	(-)	29,6
			147.095	4,597E+05 (A)		3,995E+05 (A)		2,042E+05 (A)	
P3_XXVI	328,0	I	172.985	(-)	11,9	(-)	22,1	(-)	22,9
		II	137.585	(-)	10,2	(-)	23,8	(-)	24,8
			147.095	8,382E+04 (A)		3,925E+05 (A)		1,715E+05 (A)	

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16-α-HO-E2 (504_414) (507_417)	16-αHO-E2- d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 20 (Patientencode S001)									
P1_XX	201,7	I	172.921	(-)	57,0	(-)	34,6	(-)	39,1
		II	145.749	(-)	50,7	(-)	32,9	(-)	32,3
			140.005	5,101E+05 (A)	5,585E+05 (A)	2,251E+05 (A)	*< 250.000 < 22,02 < 24,77	*< 50.000 < 0,42 < 0,44	*< 50.000 < 0,37 < 0,45
P2_XX	218,0	I	172.921	(-)	4,1	(-)	7,6	(-)	4,8
		II	145.749	(-)	3,0	(-)	4,7	(-)	-
			140.005	3,047E+04 (A)	7,892E+04 (A)	3,374E+04 (A)	*< 250.000 < 280,86 < 383,65	*< 50.000 < 1,76 < 2,86	*< 50.000 < 2,80 -
P3_XX	340,3	I	172.921	(-)	25,7	(-)	35,9	(-)	40,6
		II	145.749	(-)	37,2	(-)	34,5	(-)	39,8
			140.005	3,743E+05 (A)	5,852E+05 (A)	2,776E+05 (A)	*< 250.000 < 29,00 < 20,01	*< 50.000 < 0,24 < 0,25	*< 50.000 < 0,21 < 0,22

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)	
				16-α-HO-E2 (504_414) (507_417)	16-αHO-E2- d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe	
Frau 32 (Patientencode 23352)										
P1_XXXII	217,5	I	172.921	(-)	4,983E+05 (A)	49,5	(-)	41,4	(-)	41,4
		II	145.749	(-)	4,477E+05 (A)	44,5	(-)	37,3	(-)	44,4
			140.005	4,477E+05 (A)	44,5	6,323E+05 (A)	37,3	3,097E+05 (A)	44,4	*< 50.000 < 0,33 < 0,31
P2_XXXII	221,9	I	172.921	(-)	5,541E+05 (A)	55,0	(-)	50,7	(-)	55,2
		II	145.749	(-)	5,842E+05 (A)	58,0	(-)	48,8	(-)	60,0
			140.005	5,842E+05 (A)	58,0	8,278E+05 (A)	48,8	4,185E+05 (A)	60,0	*< 50.000 < 0,24 < 0,22
P3_XXXII	328,1	I	172.921	(-)	4,504E+05 (A)	44,8	(-)	47,1	(-)	61,3
		II	145.749	(-)	4,819E+05 (A)	47,9	(-)	42,7	(-)	51,4
			140.005	4,819E+05 (A)	47,9	7,241E+05 (A)	42,7	3,586E+05 (A)	51,4	*< 50.000 < 0,15 < 0,18

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 28 (Patientencode 22916)									
P1_XXVIII	211,8	I	172.921	(-)	44,4	(-)	36,2	(-)	36,5
		II	145.749	(-)	38,5	(-)	24,3	(-)	21,4
			140.005	3,878E+05 (A)		4,128E+05 (A)		1,490E+05 (A)	
				*< 150.000		*< 50.000		*< 50.000	< 0,65
P2_XXVIII	221,3	I	172.921	(-)	43,5	(-)	33,4	(-)	48,1
		II	145.749	(-)	47,6	(-)	35,3	(-)	56,5
			140.005	4,793E+05 (A)		5,987E+05 (A)		3,943E+05 (A)	
				*< 150.000		*< 50.000		*< 50.000	< 0,24
P3_XXVIII	331,2	I	172.921	(-)	29,3	(-)	32,9	(-)	41,7
		II	145.749	(-)	33,5	(-)	32,9	(-)	31,7
			140.005	3,373E+05 (A)		5,577E+05 (A)		2,214E+05 (A)	
				*< 150.000		*< 50.000		*< 50.000	< 0,28

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α HO-E2- d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 4 (P4/P5/P6; Patientencode 21870)									
P4_IV	214,5	I II	175.988	(-) 5,176E+05 (A)	56,7	(-) 6,480E+05 (A)	37,0	(-) 2,827E+05 (A)	42,2
			153.158	(-)		(-)		(-)	
			148.123	4,810E+05 (A)	52,7	5,419E+05 (A)	30,9	1,701E+05 (A)	25,4
				*< 150.000 < 13,78 < 14,82		*< 50.000 < 0,35 < 0,42		*< 50.000 < 0,34 < 0,57	
P5_IV	217,7	I II	175.988	(-) 4,618E+05 (A)	50,6	(-) 5,443E+05 (A)	31,1	(-) 2,438E+05 (A)	36,4
			153.158	(-)		(-)		(-)	
			148.123	5,209E+05 (A)	57,1	5,160E+05 (A)	29,5	2,289E+05 (A)	34,1
				*< 150.000 < 15,21 < 13,48		*< 50.000 < 0,42 < 0,44		*< 50.000 < 0,39 < 0,41	
P6_IV	329,0	I II	175.988	(-) 3,533E+05 (A)	38,7	(-) 6,414E+05 (A)	36,6	(-) 2,969E+05 (A)	44,3
			153.158	(-)		(-)		(-)	
			148.123	2,342E+05 (A)	25,7	6,859E+05 (A)	39,2	2,530E+05 (A)	37,7
				*< 150.000 < 13,16 < 19,84		*< 50.000 < 0,23 < 0,22		*< 50.000 < 0,21 < 0,25	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 6 (Patientencode 21912)									
P1_VI	208,8	I	192.095	(-)	39,7	(-)	36,5	(-)	23,9
		II	155.403	(-)	34,3	(-)	29,9	(-)	21,9
			181.639	3,475E+05 (A)		4,336E+05 (A)		1,674E+05 (A)	
P2_VI	213,4	I	192.095	(-)	44,1	(-)	30,9	(-)	29,0
		II	155.403	(-)	43,6	(-)	21,4	(-)	31,3
			181.639	4,423E+05 (A)		3,092E+05 (A)		2,383E+05 (A)	
P3_VI	338,9	I	192.095	(-)	55,8	(-)	58,8	(-)	40,9
		II	155.403	(-)	68,1	(-)	59,5	(-)	49,3
			181.639	6,911E+05 (A)		8,618E+05 (A)		3,753E+05 (A)	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 18 (Patientencode W001)									
P1_XVIII	213,5	I	192.095	(-)		(-)		(-)	
		II	155.403	5,192E+05 (A)	51,2	8,346E+05 (A)	57,6	3,525E+05 (A)	46,3
			181.639	(-)		(-)		(-)	
				5,248E+05 (A)	51,7	6,751E+05 (A)	46,6	3,178E+05 (A)	41,7
					*< 150.000		*< 50.000		*< 50.000
					< 13,79		< 0,28		< 0,27
					< 13,65		< 0,34		< 0,30
P2_XVIII	218,8	I	192.095	(-)		(-)		(-)	
		II	155.403	5,517E+05 (A)	54,4	9,024E+05 (A)	62,3	5,235E+05 (A)	68,8
			181.639	(-)		(-)		(-)	
				5,485E+05 (A)	54,1	7,915E+05 (A)	54,7	4,131E+05 (A)	54,2
					*< 150.000		*< 50.000		*< 50.000
					< 12,67		< 0,25		< 0,18
					< 12,74		< 0,28		< 0,23
P3_XVIII	341,7	I	192.095	(-)		(-)		(-)	
		II	155.403	(-)	-	9,493E+04 (A)	6,6	6,957E+04 (A)	9,1
			181.639	(-)	-	(-)		(-)	
				(-)	-	1,120E+05 (A)	7,7	3,661E+04 (A)	4,8
					*< 150.000		*< 50.000		*< 50.000
					-		< 1,52		< 0,87
					-		< 1,29		< 1,65

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2- d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 24 (Patientencode 22960)									
P1_XXIV	202,7	I	180.734	(-)	56,6	(-)	48,4	(-)	56,7
		II	179.880	(-)	40,3	(-)	43,5	(-)	61,7
			200.345	4,136E+05 (A)		6,591E+05 (A)		3,495E+05 (A)	
				*< 250.000			*< 50.000		
				< 21,66			< 0,33		
				< 30,40			< 0,37		
P2_XXIV	218,2	I	180.734	(-)	54,4	(-)	45,4	(-)	64,2
		II	179.880	(-)	36,3	(-)	32,2	(-)	51,5
			200.345	3,722E+05 (A)		4,882E+05 (A)		2,914E+05 (A)	
				*< 250.000			*< 50.000		
				< 20,91			< 0,33		
				< 31,38			< 0,46		
P3_XXIV	339,1	I	180.734	(-)	51,2	(-)	48,1	(-)	72,5
		II	179.880	(-)	48,0	(-)	48,0	(-)	55,7
			200.345	4,927E+05 (A)		7,280E+05 (A)		3,155E+05 (A)	
				*< 250.000			*< 50.000		
				< 14,30			< 0,20		
				< 15,26			< 0,20		

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 27 (Patientencode 22717)									
P1_XXVII	208,1	I	180.734	(-)	29,9	(-)	10,6	(-)	17,7
		II	179.880	(-)	28,3	(-)	16,4	(-)	10,6
			200.345	2,901E+05 (A)		2,491E+05 (A)		6,006E+04 (A)	
*< 100.000	< 15,96	*< 50.000	< 1,47	*< 50.000	< 1,65				
P2_XXVII	227,5	I	180.734	(-)	35,2	(-)	17,6	(-)	34,1
		II	179.880	(-)	24,6	(-)	11,5	(-)	17,0
			200.345	2,519E+05 (A)		1,737E+05 (A)		9,643E+04 (A)	
*< 100.000	< 12,42	*< 50.000	< 0,81	*< 50.000	< 0,94				
P3_XXVII	319,1	I	180.734	(-)	34,2	(-)	26,3	(-)	29,3
		II	179.880	(-)	34,5	(-)	18,3	(-)	20,3
			200.345	3,535E+05 (A)		2,768E+05 (A)		1,147E+05 (A)	
*< 100.000	< 9,10	*< 50.000	< 0,39	*< 50.000	< 0,56				

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16-α-HO-E2 (504_414) (507_417)	16-αHO-E2-d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 26 (P4/P5/P6; Patientencode 22755)									
P4_XXVI	203,0	I	214.211	(-)		(-)		(-)	
		II	192.906	5,717E+05 (A)	51,4	4,071E+05 (A)	19,8	1,855E+05 (A)	24,9
		143.742	(-)		(-)		(-)		(-)
				7,384E+05 (A)	66,4	4,710E+05 (A)	22,9	2,575E+05 (A)	34,5
					*< 100.000		*< 50.000		*< 50.000
					< 7,75		< 0,53		< 0,48
					< 6,00		< 0,45		< 0,35
P5_XXVI	216,1	I	214.211	(-)		(-)		(-)	
		II	192.906	(-)	-	4,054E+04 (A)	2,0	(-)	-
		143.742	(-)		(-)		(-)		(-)
				4,992E+04 (A)	4,5	2,709E+04 (A)	1,3	(-)	-
					*< 100.000		*< 50.000		*< 50.000
					-		< 5,6		< n.b.
					< 94,50		< 8,4		< n.b.
P6_XXVI	326,4	I	214.211	(-)		(-)		(-)	
		II	192.906	8,412E+04 (A)	7,6	2,866E+05 (A)	13,9	1,458E+05 (A)	19,5
		143.742	(-)		(-)		(-)		(-)
				8,050E+04 (A)	7,2	3,407E+05 (A)	16,5	1,555E+05 (A)	20,8
					*< 100.000		*< 50.000		*< 50.000
					< 37,13		< 0,53		< 0,43
					< 38,80		< 0,44		< 0,41

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 29 (P4/P5/P6; Patientencode W005)									
P4_XXIX	202,5	I	214.211	(-)		(-)		(-)	
		II	192.906	1,880E+05 (A)	16,9	1,506E+05 (A)	7,3	3,734E+04 (A)	5,0
		143.742	(-)	19,1	(-)	12,2	(-)	14,1	
				2,130E+05 (A)	*< 150.000	2,507E+05 (A)	*< 50.000	1,055E+05 (A)	*< 50.000
					< 40,16		< 1,61		< 2,73
					< 35,46		< 0,97		< 0,97
P5_XXIX	207,1	I	214.211	(-)		(-)		(-)	
		II	192.906	1,411E+05 (A)	12,7	1,377E+05 (A)	6,7	2,849E+04 (A)	3,8
		143.742	(-)	9,6	(-)	9,9	(-)	14,0	
				1,067E+05 (A)	*< 150.000	2,045E+05 (A)	*< 50.000	1,043E+05 (A)	*< 50.000
					< 52,34		< 1,73		< 3,50
					< 69,18		< 1,16		< 0,96
P6_XXIX	331,5	I	214.211	(-)		(-)		(-)	
		II	192.906	3,334E+05 (A)	30,0	7,991E+05 (A)	38,8	3,138E+05 (A)	42,1
		143.742	(-)	37,5	(-)	36,1	(-)	35,5	
				4,177E+05 (A)	*< 150.000	7,442E+05 (A)	*< 50.000	2,646E+05 (A)	*< 50.000
					< 13,84		< 0,19		< 0,20
					< 11,04		< 0,20		< 0,24

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16-α-HO-E2 (504_414) (507_417)	16-αHO-E2- d ₃ Gehalt 16-α-HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2- d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2- d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 1 (P4/P5/P6; Patientencode 14116)									
P4_I	202,5	I II	175.988 153.158 148.123	(-)	25,2	(-)	19,3	(-)	20,8
				2,298E+05 (A)		3,371E+05 (A)		1,395E+05 (A)	
				(-)	22,4	(-)	18,1	(-)	20,1
				2,040E+05 (M)	*< 150.000 < 32,9 < 37,0	3,167E+05 (A)	*< 50.000 < 0,72 < 0,77	1,348E+05 (A)	*< 50.000 < 0,73 < 0,76
P5_I	218,0	I II	175.988 153.158 148.123	(-)	33,7	(-)	18,3	(-)	20,0
				3,080E+05 (A)		3,207E+05 (A)		1,341E+05 (A)	
				(-)	23,9	(-)	13,5	(-)	17,4
				2,185E+05 (A)	*< 150.000 < 22,8 < 32,1	2,368E+05 (A)	*< 50.000 < 0,70 < 0,95	1,167E+05 (A)	*< 50.000 < 0,71 < 0,81
P6_I	316,3	I II	175.988 153.158 148.123	(-)	7,9	(-)	13,9	(-)	14,6
				7,175E+04 (A)		2,429E+05 (A)		9,770E+04 (A)	
				(-)	3,5	(-)	9,7	(-)	12,0
				3,228E+04 (A)	*< 150.000 < 67,4 < 149,77	1,699E+05 (A)	*< 50.000 < 0,64 < 0,92	8,057E+04 (A)	*< 50.000 < 0,67 < 0,81

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 3 (Patientencode 21545)									
P1_III	214,5	I	192.095	(-)	28,8	(-)	23,7	(-)	23,3
		II	155.403	(-)		(-)		(-)	
			181.639	2,362E+05 (A)	23,3	2,513E+05 (A)	17,4	1,816E+05 (A)	23,8
				*< 200.000 < 32,48 < 40,24		*< 50.000 < 0,67 < 0,91		*< 50.000 < 0,54 < 0,53	
P2_III	228,8	I	192.095	(-)	56,0	(-)	43,0	(-)	40,7
		II	155.403	(-)		(-)		(-)	
			181.639	4,399E+05 (A)	43,4	6,361E+05 (A)	43,9	2,495E+05 (A)	32,8
				*< 200.000 < 15,68 < 20,26		*< 50.000 < 0,51 < 0,50		*< 50.000 < 0,29 < 0,36	
P3_III	338,8	I	192.095	(-)	19,0	(-)	32,8	(-)	32,5
		II	155.403	(-)		(-)		(-)	
			181.639	1,754E+05 (M)	17,3	5,344E+05 (A)	36,9	2,835E+05 (A)	37,2
				*< 200.000 < 31,15 < 34,31		*< 50.000 < 0,31 < 0,27		*< 50.000 < 0,25 < 0,21	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E2 (504_414) (507_417)	WFR (%) 16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	Quantifier 2-MeO-E2 (446_315) (449_315)	WFR (%) 2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	Quantifier 4-MeO-E2 (446_315) (449_315)	WFR (%) 4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 3 (P4/P5/P6; Patientencode 21545)									
P4_III	210,8	I	162.865	(-)	61,7	(-)	37,3	(-)	39,9
		II	170.435	(-)	52,1	(-)	28,9	(-)	38,1
			160.631	4,585E+05 (A)		5,109E+05 (A)		2,551E+05 (A)	
P5_III	218,5	I	162.865	(-)	25,1	(-)	16,0	(-)	11,8
		II	170.435	(-)	32,9	(-)	17,2	(-)	16,4
			160.631	2,894E+05 (A)		3,045E+05 (A)		1,102E+05 (A)	
P6_III	322,6	I	162.865	(-)	8,7	(-)	13,3	(-)	14,9
		II	170.435	(-)	11,1	(-)	19,5	(-)	15,2
			160.631	9,753E+04 (A)		3,450E+05 (A)		1,017E+05 (A)	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier	WFR (%)	Quantifier	WFR (%)	Quantifier	WFR (%)
				16- α -HO-E2 (504_414) (507_417)	16- α -HO-E2-d ₃ Gehalt 16- α -HO-E2 pmol/g Gewebe	2-MeO-E2 (446_315) (449_315)	2-MeO-E2-d ₃ Gehalt 2-MeO-E2 pmol/g Gewebe	4-MeO-E2 (446_315) (449_315)	4-MeO-E2-d ₃ Gehalt 4-MeO-E2 pmol/g Gewebe
Frau 19 (P4/P5/P6; Patientencode W002)									
P4_XIX	207,6	I	162.865	(-)		(-)		(-)	
		II	170.435	1,802E+05 (A)	20,5	2,592E+05 (A)	14,6	1,057E+05 (A)	15,8
		160.631	(-)		(-)		(-)		(-)
				2,240E+05 (A)	25,5	3,414E+05 (A)	19,3	1,208E+05 (A)	18,0
					*< 150.000 < 40,87 < 32,88		*< 50.000 < 0,91 < 0,69		*< 50.000 < 0,94 < 0,82
P5_XIX	213,6	I	162.865	(-)		(-)		(-)	
		II	170.435	4,402E+05 (A)	50,1	5,588E+05 (A)	31,6	2,169E+05 (A)	32,4
		160.631	(-)		(-)		(-)		(-)
				4,421E+05 (A)	50,3	4,001E+05 (A)	22,6	2,086E+05 (A)	31,1
					*< 150.000 < 16,26 < 16,19		*< 50.000 < 0,41 < 0,58		*< 50.000 < 0,45 < 0,46
P6_XIX	327,3	I	162.865	(-)		(-)		(-)	
		II	170.435	1,334E+05 (M)	15,2	6,810E+04 (A)	3,8	9,432E+04 (A)	14,1
		160.631	(-)		(-)		(-)		(-)
				9,084E+04 (A)	10,3	1,548E+05 (A)	8,7	1,548E+05 (A)	23,1
					*< 150.000 < 35,02 < 51,43		*< 50.000 < 2,21 < 0,97		*< 50.000 < 0,67 < 0,41

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417))	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 4 (P1/P2/P3; Patientencode 21870)									
P1_IV	205,9	I	162.865	(-)		(-)		(-)	
				5,758E+06 (A)	85,2	4,794E+06 (A)	30,7	2,326E+06 (A)	32,3
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	3,960E+06 (A)	58,6	4,033E+06 (A)	25,8	2,041E+06 (A)	28,3
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 8,60	n.b.	< 0,33	n.b.	< 0,29
				(-)	< 12,50	(-)	< 0,39	(-)	< 0,33
				2,161E+06 (A)		3,195E+06 (A)		2,169E+06 (A)	
P2_IV	213,6	I	162.865	(-)		(-)		(-)	
				8,166E+06 (A)	120,8	5,537E+06 (A)	35,4	3,328E+06 (A)	46,2
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	3,945E+06 (A)	58,3	3,357E+06 (A)	21,5	2,174E+06 (A)	30,2
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 5,84	n.b.	< 0,28	n.b.	< 0,19
				(-)	< 12,10	(-)	< 0,45	(-)	< 0,30
				2,233E+06 (A)		3,016E+06 (A)		2,119E+06 (A)	
P3_IV	339,9	I	162.865	(-)		(-)		(-)	
				3,366E+06 (A)	49,8	4,888E+06 (A)	31,3	2,501E+06 (A)	34,7
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	2,592E+06 (A)	38,3	4,456E+06 (A)	28,5	2,338E+06 (A)	32,4
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 8,91	n.b.	< 0,20	n.b.	< 0,16
				(-)	< 11,57	(-)	< 0,22	(-)	< 0,17
				1,508E+06 (A)		3,589E+06 (A)		2,217E+06 (A)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 5 (Patientencode 21982)									
P1_V	209,0	I	162.865	(-)		(-)		(-)	
				3,408E+06 (A)	50,4	5,044E+06 (A)	32,3	2,404E+06 (A)	33,4
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	2,361E+06 (A)	34,9	4,655E+06 (A)	29,8	2,355E+06 (A)	32,7
				n.b.	*< 200.000	n.b.	*< 50.000	n.b.	*< 50.000
				n.b.	< 19,08	n.b.	< 0,31	n.b.	< 0,27
P2_V	213,6	I	162.865	(-)		(-)		(-)	
				5,905E+06 (A)	87,3	8,102E+06 (A)	51,8	3,843E+06 (A)	53,3
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	2,904E+06 (A)	42,9	6,793E+06 (A)	43,5	3,167E+06 (A)	44,0
				n.b.	*< 200.000	n.b.	*< 50.000	n.b.	*< 50.000
				n.b.	< 11,43	n.b.	< 0,20	n.b.	< 0,18
P3_V	336,6	I	162.865	(-)		(-)		(-)	
				3,233E+06 (A)	47,8	9,312E+06 (A)	59,6	4,503E+06 (A)	62,5
				(-)		(-)		(-)	
II	180.155 162.246	II	180.155 162.246	8,229E+05 (A)	12,2	7,879E+06 (A)	50,4	3,915E+06 (A)	54,3
				n.b.	*< 200.000	n.b.	*< 50.000	n.b.	*< 50.000
				n.b.	< 12,49	n.b.	< 0,10	n.b.	< 0,18
P3_V	336,6	II	180.155 162.246	(-)		(-)		(-)	
				4,494E+05 (A)	< 49,08	6,662E+06 (A)	< 0,12	3,971E+06 (A)	< 0,20
				(-)		(-)		(-)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 30 (Patientencode W006)									
P1_XXX	207,3	I	203.537	(-)		(-)		(-)	
				5,700E+06 (A)	75,3	5,154E+06 (A)	43,7	2,697E+06 (A)	52,5
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	4,172E+06 (A)	55,1	4,911E+06 (A)	41,7	2,497E+06 (A)	48,6
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 11,50	n.b.	< 0,15	n.b.	< 0,12
P2_XXX	211,7	I	203.537	(-)		(-)		(-)	
				4,567E+06 (A)	60,3	3,321E+06 (A)	28,2	1,727E+06 (A)	33,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,118E+06 (A)	41,2	2,994E+06 (A)	25,4	1,793E+06 (A)	34,9
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 14,06	n.b.	< 0,23	n.b.	< 0,19
P3_XXX	346,1	I	203.537	(-)		(-)		(-)	
				4,699E+05 (A)	6,2	4,681E+05 (A)	4,0	2,384E+05 (A)	4,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,544E+05 (A)	4,7	4,076E+05 (A)	3,5	2,123E+05 (A)	4,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 83,51	n.b.	< 1,01	n.b.	< 0,83
P3_XXX	346,1	I	203.537	(-)		(-)		(-)	
				4,699E+05 (A)	6,2	4,681E+05 (A)	4,0	2,384E+05 (A)	4,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,544E+05 (A)	4,7	4,076E+05 (A)	3,5	2,123E+05 (A)	4,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 83,51	n.b.	< 1,01	n.b.	< 0,83
P3_XXX	346,1	I	203.537	(-)		(-)		(-)	
				4,699E+05 (A)	6,2	4,681E+05 (A)	4,0	2,384E+05 (A)	4,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,544E+05 (A)	4,7	4,076E+05 (A)	3,5	2,123E+05 (A)	4,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 83,51	n.b.	< 1,01	n.b.	< 0,83
P3_XXX	346,1	I	203.537	(-)		(-)		(-)	
				4,699E+05 (A)	6,2	4,681E+05 (A)	4,0	2,384E+05 (A)	4,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,544E+05 (A)	4,7	4,076E+05 (A)	3,5	2,123E+05 (A)	4,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 83,51	n.b.	< 1,01	n.b.	< 0,83
P3_XXX	346,1	I	203.537	(-)		(-)		(-)	
				4,699E+05 (A)	6,2	4,681E+05 (A)	4,0	2,384E+05 (A)	4,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	3,544E+05 (A)	4,7	4,076E+05 (A)	3,5	2,123E+05 (A)	4,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 83,51	n.b.	< 1,01	n.b.	< 0,83

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 1 (Patientencode 14116)									
P1_I	206,2	I	203.537	(-)		(-)		(-)	
				1,033E+06 (A)	13,6	1,158E+06 (A)	9,8	6,977E+05 (A)	13,6
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	9,185E+05 (A)	12,1	1,058E+06 (A)	9,0	7,617E+05 (A)	14,8
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 47,86	< 53,83	n.b. < 1,37	< 1,50	n.b. < 0,96	< 0,88
P2_I	220,4	I	203.537	(-)		(-)		(-)	
				3,424E+05 (A)	4,5	4,387E+05 (A)	3,7	2,763E+05 (A)	5,4
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	2,853E+05 (A)	3,8	4,036E+05 (A)	3,4	1,604E+05 (A)	3,1
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 135,10	< 162,15	n.b. < 3,39	< 3,69	n.b. < 2,26	< 3,89
P3_I	357,9	I	203.537	(-)		(-)		(-)	
				3,334E+05 (A)	4,4	6,128E+05 (A)	5,2	1,939E+05 (A)	3,8
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	2,231E+05 (A)	2,9	5,148E+05 (A)	4,4	2,444E+05 (A)	4,8
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 85,44	< 127,67	n.b. < 1,50	< 1,78	n.b. < 1,98	< 1,57
P3_I	357,9	I	203.537	(-)		(-)		(-)	
				3,334E+05 (A)	4,4	6,128E+05 (A)	5,2	1,939E+05 (A)	3,8
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	2,231E+05 (A)	2,9	5,148E+05 (A)	4,4	2,444E+05 (A)	4,8
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 85,44	< 127,67	n.b. < 1,50	< 1,78	n.b. < 1,98	< 1,57
P3_I	357,9	I	203.537	(-)		(-)		(-)	
				3,334E+05 (A)	4,4	6,128E+05 (A)	5,2	1,939E+05 (A)	3,8
				(-)		(-)		(-)	
II	233.760 170.609	II	203.537	2,231E+05 (A)	2,9	5,148E+05 (A)	4,4	2,444E+05 (A)	4,8
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 85,44	< 127,67	n.b. < 1,50	< 1,78	n.b. < 1,98	< 1,57

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 11 (Patientencode 22037)									
P1_XI	200,2	I	254.630	(-)		(-)		(-)	
				6,363E+06 (A)	61,3	8,683E+06 (A)	66,6	4,335E+06 (A)	57,7
				(-)		(-)		(-)	
II	261.184 218.315	II	261.184 218.315	5,078E+06 (A)	48,9	8,182E+06 (A)	62,7	3,848E+06 (A)	51,3
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 10,67	n.b.	< 0,19	n.b.	< 0,16
P2_XI	215,5	I	254.630	(-)		(-)		(-)	
				5,621E+06 (A)	54,2	6,579E+06 (A)	50,4	2,922E+06 (A)	38,9
				(-)		(-)		(-)	
II	261.184 218.315	II	261.184 218.315	4,079E+06 (A)	39,3	5,788E+06 (A)	44,4	2,634E+06 (A)	35,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 11,22	n.b.	< 0,23	n.b.	< 0,22
P3_XI	335,9	I	254.630	(-)		(-)		(-)	
				1,912E+06 (A)	18,4	3,036E+06 (A)	23,3	1,463E+06 (A)	19,5
				(-)		(-)		(-)	
II	261.184 218.315	II	261.184 218.315	1,378E+06 (A)	13,3	2,657E+06 (A)	20,4	1,175E+06 (A)	15,6
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 21,17	n.b.	< 0,32	n.b.	< 0,28
				(-)		(-)		(-)	
				7,988E+05 (A)	< 29,37	2,181E+06 (A)	< 0,37	1,265E+06 (A)	< 0,35

				16- α -HO-E2		2-MeO-E2		4-MeO-E2				
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417))	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃			
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe			
Frau 2 (Patientencode 21640)												
P1_II	206,4	I	254.630	(-)	7,751E+06 (A)	74,7	(-)	6,870E+06 (A)	52,7	(-)	3,162E+06 (A)	42,1
				(-)	5,458E+06 (A)	52,6	(-)	5,790E+06 (A)	44,4	(-)	2,856E+06 (A)	38,0
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000	n.b.	* < 50.000	
P2_II	228,9	I	254.630	(-)	8,581E+06 (A)	82,7	(-)	7,576E+06 (A)	58,1	(-)	3,929E+06 (A)	52,3
				(-)	4,220E+06 (A)	40,7	(-)	6,699E+06 (A)	51,4	(-)	3,331E+06 (A)	44,4
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000	n.b.	* < 50.000	
P3_II	334,4	I	254.630	(-)	5,627E+06 (A)	54,2	(-)	9,918E+06 (A)	76,0	(-)	4,376E+06 (A)	58,3
				(-)	4,432E+06 (A)	52,7	(-)	8,904E+06 (A)	68,3	(-)	3,995E+06 (A)	53,2
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000	n.b.	* < 50.000	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 7 (Patientencode 19832)									
P1_VII	212,4	I	179.128	(-)	(-)	(-)	(-)	(-)	(-)
				6,912E+06 (A)	94,4	8,960E+06 (A)	80,6	4,203E+06 (A)	83,8
				(-)	(-)	(-)	(-)	(-)	(-)
				3,998E+06 (A)	54,6	7,962E+06 (A)	71,6	3,878E+06 (A)	77,3
P1_VII	212,4	II	139.579 153.852	n.b.	* < 450.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 20,83	n.b.	< 0,17	n.b.	< 0,15
				(-)	< 36,01	(-)	< 0,19	(-)	< 0,17
				2,178E+06 (A)		6,711E+06 (A)		3,873E+06 (A)	
P2_VII	212,5	I	179.128	(-)	-	(-)	2,7	(-)	1,8
				(-)	-	3,030E+05 (A)		8,864E+04 (A)	
				(-)	-	(-)	2,3	(-)	1,6
				(-)	-	2,528E+05 (A)		7,932E+04 (A)	
P2_VII	212,5	II	139.579 153.852	n.b.	* < 450.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	-	n.b.	< 5,09	n.b.	< 7,30
				(-)	-	(-)	< 6,11	(-)	< 8,16
				(-)		2,360E+05 (A)		1,252E+05 (A)	
P3_VII	352,4	I	179.128	(-)	19,4	(-)	16,9	(-)	18,4
				1,420E+06 (A)		1,877E+06 (A)		9,236E+05 (A)	
				(-)	16,4	(-)	13,5	(-)	18,7
				1,204E+06 (A)		1,505E+06 (A)		9,365E+05 (A)	
P3_VII	352,4	II	139.579 153.852	n.b.	* < 450.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 61,12	n.b.	< 0,50	n.b.	< 0,42
				(-)	< 72,09	(-)	< 0,62	(-)	< 0,42
				6,067E+05 (A)		1,323E+06 (A)		9,432E+05 (A)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 12 (Patientencode 4322)									
P1_XII	205,1	I	179.128	(-)		(-)		(-)	
				1,680E+05 (A)	2,3	1,200E+06 (A)	10,8	5,466E+05 (A)	10,9
				(-)		(-)		(-)	
II	139.579 153.852	II	179.128	1,958E+05 (A)	2,7	9,822E+05 (A)	8,8	4,657E+05 (A)	9,3
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. (-)	< 394,57 < 338,45	n.b. (-)	< 1,33 < 1,63	n.b. (-)	< 1,23 < 1,44
P2_XII	211,4	I	179.128	(-)		(-)		(-)	
				(-)	-	2,436E+05 (A)	2,2	1,096E+05 (A)	2,2
				(-)		(-)		(-)	
II	139.579 153.852	II	179.128	2,799E+05 (A)	-	2,799E+05 (A)	2,5	1,037E+05 (A)	2,1
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. (-)	-	n.b. (-)	< 6,37 < 5,54	n.b. (-)	< 5,94 < 6,27
P3_XII	351,3	I	179.128	(-)		(-)		(-)	
				6,590E+06 (A)	90,0	1,012E+07 (A)	91,0	4,885E+06 (A)	97,4
				(-)		(-)		(-)	
II	139.579 153.852	II	179.128	5,095E+06 (A)	69,6	8,466E+06 (A)	76,1	4,114E+06 (A)	82,0
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. (-)	< 5,87 < 7,59	n.b. (-)	< 0,09 < 0,11	n.b. (-)	< 0,08 < 0,10
P3_XII	351,3	I	179.128	(-)		(-)		(-)	
				2,621E+06 (A)		7,196E+06 (A)		4,236E+06 (A)	
				(-)		(-)		(-)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 29 (Patientencode W005)									
P1_XXIX	203,2	I	219.792	(-)	(-)	(-)	(-)	(-)	(-)
				2,701E+06 (A)	40,4	2,837E+06 (A)	24,5	1,580E+06 (A)	26,2
				(-)	(-)	(-)	(-)	(-)	(-)
II	202.605 149.124	II	202.605 149.124	2,040E+06 (A)	30,5	2,674E+06 (A)	23,1	1,354E+06 (A)	22,4
				n.b.	* < 400.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 49,53	n.b.	< 0,57	n.b.	< 0,43
P2_XXIX	210,7	I	219.792	(-)	(-)	(-)	(-)	(-)	(-)
				4,397E+06 (A)	65,7	5,850E+06 (A)	50,6	3,070E+06 (A)	50,9
				(-)	(-)	(-)	(-)	(-)	(-)
II	202.605 149.124	II	202.605 149.124	3,412E+06 (A)	51,0	5,438E+06 (A)	47,0	2,781E+06 (A)	46,1
				n.b.	* < 400.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 29,34	n.b.	< 0,27	n.b.	< 0,21
P3_XXIX	406,1	I	219.792	(-)	(-)	(-)	(-)	(-)	(-)
				1,568E+06 (A)	23,4	2,943E+06 (A)	25,5	1,471E+06 (A)	24,4
				(-)	(-)	(-)	(-)	(-)	(-)
II	202.605 149.124	II	202.605 149.124	1,176E+06 (A)	18,2	2,519E+06 (A)	21,8	1,450E+06 (A)	24,0
				n.b.	* < 400.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 42,69	n.b.	< 0,27	n.b.	< 0,23
				(-)	< 56,93	(-)	< 0,32	(-)	< 0,23
				6,535E+05 (A)		2,374E+06 (A)		1,312E+06 (A)	

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16- α -HO-E2		2-MeO-E2		4-MeO-E2	
				Quantifier (504_414) (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 25 (Patientencode 3363)									
P1_XXV	204,8	I	183.054	(-)		(-)		(-)	
				6,838E+06 (A)	49,6	5,595E+06 (A)	33,0	2,963E+06 (A)	31,2
				(-)		(-)		(-)	
II	134.102 134.289	183.054	4,669E+06 (A)	33,9	4,683E+06 (A)	27,6	2,411E+06 (A)	25,4	
			n.b.	* < 900.000	n.b.	* < 50.000	n.b.	* < 50.000	
			n.b.	< 43,68	n.b.	< 0,29	n.b.	< 0,23	
P2_XXV	208,2	I	183.054	(-)		(-)		(-)	
				4,202E+06 (A)	30,5	3,987E+06 (A)	23,5	1,924E+06 (A)	20,2
				(-)		(-)		(-)	
II	134.102 134.289	183.054	3,085E+06 (A)	22,4	3,475E+06 (A)	20,5	1,811E+06 (A)	19,1	
			n.b.	* < 900.000	n.b.	* < 50.000	n.b.	* < 50.000	
			n.b.	< 69,92	n.b.	< 0,40	n.b.	< 0,34	
P3_XXV	403,9	I	183.054	(-)		(-)		(-)	
				4,221E+06 (A)	30,6	6,937E+06 (A)	40,6	3,429E+06 (A)	35,3
				(-)		(-)		(-)	
II	134.102 134.289	183.054	2,015E+06 (A)	14,6	5,837E+06 (A)	34,5	2,930E+06 (A)	30,8	
			n.b.	* < 900.000	n.b.	* < 50.000	n.b.	* < 50.000	
			n.b.	< 35,88	n.b.	< 0,12	n.b.	< 0,10	
P3_XXV	403,9	II	134.102 134.289	(-)		(-)		(-)	
				1,111E+06 (A)	< 75,16	4,878E+06 (A)	< 0,14	2,666E+06 (A)	< 0,12

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 19 (Patientencode W002)									
P1_XIX	202,9	I	183.054	(-)		(-)		(-)	
				9,189E+05 (A)	6,7	8,978E+05 (A)	5,3	4,494E+05 (A)	4,7
				(-)		(-)		(-)	
II	134.102 134.289	II	134.102 134.289	5,454E+05 (A)	4,0	7,939E+05 (A)	4,7	3,164E+05 (A)	3,3
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 7,35	n.b.	< 1,80	n.b.	< 1,51
P2_XIX	206,2	I	183.054	(-)		(-)		(-)	
				2,003E+05 (A)	1,5	3,367E+05 (A)	2,0	7,182E+04 (A)	0,8
				(-)		(-)		(-)	
II	134.102 134.289	II	134.102 134.289	1,455E+05 (A)	1,1	2,078E+05 (A)	1,2	7,401E+04 (A)	0,8
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 246,79	n.b.	< 4,72	n.b.	< 9,29
P3_XIX	413,1	I	183.054	(-)		(-)		(-)	
				5,959E+05 (A)	4,3	4,012E+05 (A)	2,4	1,912E+05 (A)	2,0
				(-)		(-)		(-)	
II	134.102 134.289	II	134.102 134.289	(-)		3,887E+05 (A)	2,3	1,915E+05 (A)	2,0
				n.b.	* < 150.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 41,40	n.b.	< 1,98	n.b.	< 1,74
P3_XIX	413,1	II	134.102 134.289	(-)		(-)		(-)	
				n.b.		n.b.		n.b.	
				n.b.	-	n.b.	< 2,04	n.b.	< 1,74
P3_XIX	413,1	II	134.102 134.289	(-)		3,333E+05 (A)		1,970E+05 (A)	
				(-)		(-)		(-)	
				(-)		(-)		(-)	

Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16- α -HO-E2		2-MeO-E2		4-MeO-E2	
				Quantifier (504_414) (507_417)	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 17									
P1_XVII	206,5	I	173.427	(-)		(-)		(-)	
				6,008E+06 (A)	42,4	6,325E+06 (A)	34,1	3,104E+06 (A)	33,3
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	4,582E+06 (A)	32,3	6,031E+06 (A)	32,5	3,230E+06 (A)	34,7
				n.b.	* < 2,0E+06	n.b.	* < 150.000	n.b.	* < 150.000
				n.b.	< 109,56	n.b.	< 0,75	n.b.	< 0,64
P2_XVII	212,1	I	173.427	(-)		(-)		(-)	
				4,279E+06 (A)	30,2	5,381E+06 (A)	29,0	2,578E+06 (A)	27,7
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	3,226E+06 (A)	22,8	4,918E+06 (A)	26,5	2,229E+06 (A)	23,9
				n.b.	* < 2,0E+06	n.b.	* < 150.000	n.b.	* < 150.000
				n.b.	< 149,77	n.b.	< 0,86	n.b.	< 0,75
P3_XVII	403,1	I	173.427	(-)		(-)		(-)	
				4,479E+06 (A)	31,6	8,458E+06 (A)	45,6	3,793E+06 (A)	40,7
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	(-)	24,1	7,775E+06 (A)	41,9	3,463E+06 (A)	37,2
				3,416E+06 (A)					
				n.b.	* < 2,0E+06	n.b.	* < 150.000	n.b.	* < 150.000
II	189.185 198.036	II	173.427	n.b.	< 75,29	n.b.	< 0,29	n.b.	< 0,27
				n.b.	< 98,72	n.b.	< 0,31	n.b.	< 0,30
				(-)		(-)		(-)	
				1,915E+06 (A)		6,349E+06 (A)		3,652E+06 (A)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α -HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324 (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 13 (Patientencode 22554)									
P1_XIII	210,3	I	173.427	(-)		(-)		(-)	
				1,768E+06 (A)	12,5	1,430E+06 (A)	7,7	8,215E+05 (A)	8,8
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	1,179E+06 (A)	8,3	1,114E+06 (A)	6,0	7,242E+05 (A)	7,8
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 36,56	< 54,82	n.b. < 1,09	< 1,40	n.b. < 0,80	< 0,90
P2_XIII	216,9	I	173.427	(-)		(-)		(-)	
				3,331E+06 (A)	23,5	2,816E+06 (A)	15,2	1,497E+06 (A)	16,1
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	2,258E+06 (A)	15,9	2,605E+06 (A)	14,0	1,438E+06 (A)	15,4
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 18,81	< 27,75	n.b. < 0,28	< 0,31	n.b. < 0,42	< 0,44
P3_XIII	401,7	I	173.427	(-)		(-)		(-)	
				1,023E+06 (A)	7,2	1,268E+06 (A)	6,8	4,865E+05 (A)	5,2
				(-)		(-)		(-)	
II	189.185 198.036	II	173.427	7,649E+05 (A)	5,4	9,873E+05 (A)	5,3	5,107E+05 (A)	5,5
				n.b.	* < 200.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b. < 33,08	< 44,24	n.b. < 0,64	< 0,83	n.b. < 0,70	< 0,67
P3_XIII	401,7	II	173.427	(-)		(-)		(-)	
				4,752E+05 (A)		8,393E+05 (A)		4,730E+05 (A)	

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 14 (Patientencode 546)									
P1_XIV	206,3	I	230.429	(-)		(-)		(-)	
				3,385E+06 (A)	48,3	4,231E+06 (A)	38,0	1,793E+06 (A)	31,1
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	2,345E+06 (A)	33,5	3,200E+06 (A)	28,7	1,761E+06 (A)	30,6
				n.b.	* < 250.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 24,33	n.b.	< 0,38	n.b.	< 0,37
P2_XIV	212,6	I	230.429	(-)		(-)		(-)	
				1,954E+06 (A)	27,9	3,620E+06 (A)	32,5	1,934E+06 (A)	33,6
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	1,253E+06 (A)	17,9	3,220E+06 (A)	28,9	1,761E+06 (A)	30,6
				n.b.	* < 250.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 40,90	n.b.	< 0,43	n.b.	< 0,33
P3_XIV	409,6	I	230.429	(-)		(-)		(-)	
				6,533E+05 (A)	9,3	2,700E+06 (A)	24,2	1,548E+06 (A)	26,9
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	5,455E+05 (A)	7,8	2,684E+06 (A)	24,1	1,556E+06 (A)	27,0
				n.b.	* < 250.00	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 63,50	n.b.	< 0,30	n.b.	< 0,22
				(-)		(-)		(-)	
				2,774E+05 (A)	< 76,04	2,161E+06 (A)	< 0,30	1,625E+06 (A)	< 0,22

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324 (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 16 (Patientencode 22727)									
P1_XVI	204,6	I	230.429	(-)		(-)		(-)	
				3,601E+06 (A)	51,4	5,393E+06 (A)	48,4	2,797E+06 (A)	48,5
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	2,826E+06 (A)	40,3	5,134E+06 (A)	46,1	2,499E+06 (A)	43,4
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 55,35	n.b.	< 0,30	n.b.	< 0,24
P2_XVI	205,2	I	230.429	(-)		(-)		(-)	
				5,308E+06 (A)	75,8	6,220E+06 (A)	55,8	3,582E+06 (A)	62,2
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	4,001E+06 (A)	57,1	5,400E+06 (A)	48,5	3,090E+06 (A)	53,6
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 37,44	n.b.	< 0,26	n.b.	< 0,19
P3_XVI	418,2	I	230.429	(-)		(-)		(-)	
				5,058E+05 (A)	7,2	4,257E+06 (A)	38,2	2,271E+06 (A)	39,4
				(-)		(-)		(-)	
II	149.323 197.157	II	149.323 197.157	4,553E+05 (A)	6,5	3,564E+06 (A)	32,0	1,847E+06 (A)	32,0
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 192,77	n.b.	< 0,18	n.b.	< 0,14
				(-)		(-)		(-)	
				2,689E+05 (A)	< 214,17	3,006E+06 (A)	< 0,22	1,815E+06 (A)	< 0,18

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417)	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 8 (Patientencode 22270)									
P1_VIII	219,8	I	197.434	(-)		(-)		(-)	
				2,245E+06 (A)	47,4	1,750E+06 (A)	16,7	1,257E+06 (A)	20,7
				(-)		(-)		(-)	
II	135.728 143.180	II	135.728 143.180	1,720E+06 (A)	36,3	1,474E+06 (A)	14,1	1,077E+06 (A)	17,7
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 41,32	n.b.	< 0,85	n.b.	< 0,50
P2_VIII	210,6	I	197.434	(-)		(-)		(-)	
				2,385E+06 (A)	50,3	2,110E+06 (A)	20,2	1,343E+06 (A)	22,1
				(-)		(-)		(-)	
II	135.728 143.180	II	135.728 143.180	1,524E+06 (A)	32,2	1,782E+06 (A)	17,0	1,229E+06 (A)	20,3
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 40,59	n.b.	< 0,74	n.b.	< 0,49
P3_VIII	413,7	I	197.434	(-)		(-)		(-)	
				1,848E+06 (A)	39,0	4,055E+06 (A)	38,7	2,249E+06 (A)	37,1
				(-)		(-)		(-)	
II	135.728 143.180	II	135.728 143.180	1,006E+06 (A)	21,2	3,334E+06 (A)	31,8	1,816E+06 (A)	29,9
				n.b.	* < 300.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 26,68	n.b.	< 0,20	n.b.	< 0,15
				(-)		(-)		(-)	
				1,064E+06 (A)	< 49,00	3,332E+06 (A)	< 0,24	2,257E+06 (A)	< 0,18

				16- α -HO-E2		2-MeO-E2		4-MeO-E2	
Proben- nummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (504_414 (507_417))	WFR (%) 16- α HO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 2-MeO-E2- d ₃	Quantifier (446_315) (449_315)	WFR (%) 4-MeO-E2- d ₃
				Qualifier (504_324) (507_327)	Gehalt 16- α -HO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt 2-MeO-E2 pmol/g Gewebe	Qualifier (446_325) (449_328)	Gehalt pmol/g Gewebe
Frau 8 (P4/P5/P6; Patientencode 22270)									
P1_VIII	205,6	I	219.792	(-)		(-)		(-)	
				5,855E+06 (A)	87,5	3,861E+06 (A)	33,4	1,878E+06 (A)	31,1
		II	202.605 149.125	(-)		(-)		(-)	
				3,783E+06 (A)	56,6	3,295E+06 (A)	28,5	1,835E+06 (A)	30,4
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 33,88	n.b.	< 0,41	n.b.	< 0,36
				(-)	< 52,43	(-)	< 0,48	(-)	< 0,36
				1,975E+06 (A)		2,743E+06 (A)		1,520E+06 (A)	
P2_VIII	209,5	I	219.792	(-)		(-)		(-)	
				4,499E+06 (A)	67,3	3,141E+06 (A)	27,2	1,727E+06 (A)	28,6
		II	202.605 149.125	(-)		(-)		(-)	
				1,596E+06 (A)	23,9	2,241E+06 (A)	19,4	1,048E+06 (A)	17,4
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 43,27	n.b.	< 0,50	n.b.	< 0,38
				(-)	< 121,96	(-)	< 0,70	(-)	< 0,63
				8,299E+05 (A)		2,073E+06 (A)		1,142E+06 (A)	
P3_VIII	411,1	I	219.792	(-)		(-)		(-)	
				2,350E+06 (A)	35,1	3,636E+06 (A)	31,4	2,154E+06 (A)	35,7
		II	202.605 149.125	(-)		(-)		(-)	
				5,202E+05 (A)	7,8	3,387E+06 (A)	29,3	1,531E+06 (A)	25,4
				n.b.	* < 600.000	n.b.	* < 50.000	n.b.	* < 50.000
				n.b.	< 42,21	n.b.	< 0,22	n.b.	< 0,16
				(-)	< 190,70	(-)	< 0,24	(-)	< 0,22
				2,808E+05 (A)		2,821E+06 (A)		1,681E+06 (A)	

Tab. 8: Absolute Peakflächen (PF, Counts) des *Quantifier*- und *Qualifier*-Übergangs von 16- α -HO-E1 und E1-Methylierungsprodukten (untere/obere Zeile: deuterierte/undeuterierte *MRM*-Übergänge) sowie der Gesamtgehalt von E1-Methylierungsprodukten bzw. deren eingetragene Verunreinigung durch die Referenz pro Ansatz. Wenn ein Metabolit nicht nachgewiesen wurde, ist die jeweilige NWG berechnet worden. Messung mittels *GC/MS/MS* im *MRM*-Modus unter Verwendung von unterschiedlichen Messmethoden. M1: *Quantifier*-Übergänge von deuterierten und undeuterierten E1- und E2-Metaboliten. Seg I: E1, E2 und die jeweilige deuterierte Form; *dwel-time*: 0,15 sec. bzw. 0,25 sec. Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte und die deuterierten Analoga; *dwel-time*: 0,15 sec. M2a, M2b bzw. M2c: *Quantifier*- und *Qualifier*-Übergänge von deuterierten und undeuterierten E1,- E2,-Hydroxylierungsprodukten,-Methylierungsprodukten sowie E3 und 16- α -HO-E1. Seg I: Analoga M1, Seg II: E1- und E2-Hydroxylierungsprodukte sowie Methylierungsprodukte bzw. E3 und 16- α -HO-E1; *dwel-time*: 0,15 sec. Die Angabe der Rohdaten von zwei Messungen bezieht sich auf die ausschließliche Verwendung der Methode mit den intensiven *Quantifier*-Übergängen (I_E1_E2_Metabolite_deuteriert_undeuteriert.mth). n.n.: Nicht nachgewiesen. n.b. Nicht bestimmt. A: Automatische Peakintegration. M: Manuelle Peakintegration. (-): kein integrierbarer Peak vorhanden.* NWG. Für die Berechnung der Wiederfindung wurden die MW der PF aus den jeweiligen Mess-Methoden gebildet und mit dem MW aus der jeweiligen Referenz I und II ins Verhältnis gesetzt und die prozentuale WFR berechnet. Analysenbedingungen Kap. 4.2.23.2, *Dissertation_Futh_2015*.

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 0											
P1_0	203,4	I II	220.317 221.427 200.190	(-)	40,6	8,559E+04 (A)	39,6	1,663E+05 (A)	52,5	(-)	48,2
				2,745E+06 (A)		1,147E+07 (A)		2,581E+06 (A)		3,211E+06 (A)	
				(-)	32,8	5,487E+04 (M)	30,9	1,132E+05 (A)		(-)	
			2,213E+06 (A)	* 60.000 < 2,14 < 2,65	0,242 \pm 0,023	0,051 \pm 0,007	0,372 \pm 0,070	0,133 \pm 0,013	* < 100.000 < 0,79 < 0,99	0,015 \pm 0,005	
P2_0	219,8	I II	220.317 221.427 200.190	(-)	61,3	7,958E+04 (A)	47,0	1,347E+05 (A)	66,6	(-)	53,8
				4,143E+06 (A)		1,361E+07 (A)		3,276E+06 (A)		3,583E+06 (A)	
				(-)	52,3	8,540E+04 (A)	40,2	8,434E+04 (A)		(-)	
			3,531E+06 (A)	* 60.000 < 1,41 < 1,65	0,234 \pm 0,026	0,064 \pm 0,005	0,248 \pm 0,034	0,154 \pm 0,021	* < 100.000 < 0,66 < 0,68	0,019 \pm 0,005	
P3_0	327,9	I II	220.317 221.427 200.190	(-)	30,7	8,238E+04 (M)	60,8	1,353E+05 (A)	83,1	(-)	73,7
				2,074E+06 (A)		1,761E+07 (A)		4,089E+06 (A)		4,910E+06 (A)	
				(-)	24,5	7,818E+04 (M)	55,2	1,371E+05 (A)		(-)	
			1,657E+06 (A)	* 60.000 < 1,64 < 2,05	0,170 \pm 0,004	0,085 \pm 0,005	0,247 \pm 0,019	0,197 \pm 0,024	* < 100.000 < 0,32 < 0,38	0,024 \pm 0,007	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 31 (Patientencode 22886)											
P1_XXXI	203,4	I	220.317	(-) 2,265E+06 (A)	33,5	(-) 9,589E+06 (A)	33,1	6,703E+04 (A) 2,000E+06 (A)	40,7	(-) 2,681E+06 (A)	40,2
		II	221.427 200.190	(-) 1,802E+06 (A)	26,7	5,157E+04 (M) 8,159E+06 (A)	28,2	6,202E+04 (A) 1,465E+06 (A)	29,8	(-) 2,091E+06 (A)	31,4
				* 50.000 < 2,17 < 2,73	0,128	0,045 \pm 0,007	0,260 \pm 0,030	0,089 \pm 0,016	* < 100.000 < 0,95 < 1,22	0,012 \pm 0,004	
P2_XXXI	219,8	I	220.317	(-) 3,791E+06 (A)	56,1	1,206E+05 (A) 2,171E+07 (A)	74,9	6,531E+04 (A) 4,129E+06 (A)	83,9	(-) 5,574E+06 (A)	83,7
		II	221.427 200.190	(-) 3,048E+06 (A)	45,1	3,236E+04 (A) 1,692E+07 (A)	58,4	1,374E+05 (A) 3,657E+06 (A)	74,3	(-) 5,128E+06 (A)	77,0
				* 50.000 < 1,20 < 1,49	0,133 \pm 0,065	0,097 \pm 0,017	0,183 \pm 0,075	0,200 \pm 0,024	* < 100.000 < 0,42 < 0,46	0,028 \pm 0,008	
P3_XXXI	327,9	I	220.317	(-) 3,518E+05 (A)	5,2	(-) 2,408E+06 (A)	8,3	(-) 4,917E+05 (A)	10,0	(-) 6,694E+05 (A)	10,0
		II	221.427 200.190	(-) 2,998E+05 (A)	4,4	(-) 2,036E+06 (A)	7,0	(-) 3,289E+05 (A)	6,7	(-) 4,474E+05 (A)	6,7
				* 50.000 < 8,66 < 10,17	-	0,011 \pm 0,002	-	0,021 \pm 0,005	* < 100.000 < 2,36 < 3,53	0,003 \pm 0,001	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 10 (Patientencode 22342)											
P1_X	205,7	I	220.317	(-) 1,724E+06 (A)	25,5	4,858E+04 (M) 1,116E+07 (A)	38,5	1,393E+05 (A) 2,830E+06 (A)	57,5	(-) 3,170E+06 (A)	47,6
		II	221.427 200.190	(-) 1,276E+06 (A)	18,9	7,663E+04 (A) 9,876E+06 (A)	34,1	1,102E+05 (A) 2,282E+06 (A)	46,4	(-) 2,612E+06 (A)	39,2
				* 50.000 < 2,82 < 3,81	0,215 ± 0,061	0,053 ± 0,007	0,335 ± 0,003	0,132 ± 0,019	* < 100.000 < 0,79 < 0,96	0,015 ± 0,005	
P2_X	207,9	I	220.317	(-) 2,259E+06 (A)	33,4	5,367E+04 (M) 1,144E+07 (A)	39,5	1,539E+05 (A) 2,354E+06 (A)	47,8	(-) 2,354E+06 (A)	35,3
		II	221.427 200.190	(-) 1,755E+06 (A)	26,0	8,676E+04 (A) 9,457E+06 (A)	32,6	8,480E+04 (A) 2,088E+06 (A)	42,4	(-) 2,640E+06 (A)	39,6
				* 50.000 < 2,13 < 2,74	0,246 ± 0,008	0,053 ± 0,008	0,364 ± 0,085	0,114 ± 0,013	* < 100.000 < 1,06 < 0,94	0,013 ± 0,004	
P3_X	321,6	I	220.317	(-) 1,108E+06 (A)	16,4	7,298E+04 (A) 1,435E+07 (A)	49,5	1,762E+05 (A) 3,007E+06 (A)	61,1	(-) 4,101E+06 (A)	61,6
		II	221.427 200.190	(-) 8,460E+05 (A)	12,5	(-) 1,215E+07 (A)	41,9	1,739E+05 (A) 2,667E+06 (A)	54,2	(-) 3,347E+06 (A)	50,2
				* 50.000 < 2,81 < 3,67	0,181	0,067 ± 0,010	0,425 ± 0,023	0,146 ± 0,017	* < 100.000 < 0,39 < 0,48	0,019 ± 0,006	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 15 (Patientencode W003)											
P1_XV	209,0	I	175.988	(-) 4,104E+05 (A)	5,1	3,541E+04 (A) 8,309E+06 (A)	29,6	5,435E+04 (A) 1,936E+06 (A)	37,4	(-) 2,182E+06 (A)	30,7
		II	153.158 148.123	(-) 3,512E+05 (A)	4,3	3,938E+04 (A) 7,303E+06 (A)	26,0	6,677E+04 (A) 1,752E+06 (A)	33,9	(-) 1,760E+06 (A)	24,8
				* 50.000 < 11,65 < 13,62	0,172 ± 0,020	0,042 ± 0,008	0,227 ± 0,034	0,111 ± 0,030	* < 150.000 < 1,70 < 2,11	0,009 ± 0,004	
P2_XV	216,6	I	175.988	(-) 4,175E+05 (A)	5,2	2,280E+04 (A) 6,451E+06 (A)	23,0	1,193E+05 (A) 1,552E+06 (A)	30,0	(-) 1,689E+06 (A)	23,8
		II	153.158 148.123	(-) 3,604E+05 (A9)	4,6	(-) 5,727E+06 (A)	20,4	8,236E+04 (A) 1,385E+06 (A)	26,8	(-) 1,612E+06 (A)	22,7
				* 50.000 < 11,05 < 12,80	0,126	0,033 ± 0,006	0,468 ± 0,060	0,088 ± 0,024	* < 150.000 < 2,12 < 2,22	0,007 ± 0,004	
P3_XV	321,8	I	175.988	(-) 1,917E+05 (A)	2,7	9,398E+04 (A) 1,209E+07 (A)	43,1	1,412E+05 (A) 2,673E+06 (A)	51,7	(-) 3,335E+06 (A)	46,9
		II	153.158 148.123	(-) 4,522E+05 (A)	0,6	2,862E+04 (A) 1,044E+07 (A)	37,2	1,495E+05 (A) 2,411E+06 (A)	46,6	(-) 3,113E+06 (A)	43,8
				* 50.000 < 24,07 < 102,06	0,187 ± 0,089	0,060 ± 0,011	0,394 ± 0,032	0,152 ± 0,041	* < 150.00 < 0,72 < 0,77	0,014 ± 0,007	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 21 (Patientencode 22548)											
P1_XXI	205,6	I II	172.985	(-) 3,638E+06 (A)	66,0	1,070E+05 (A) 1,352E+07 (A)	48,1	1,058E+05 (A) 2,929E+06 (A)	59,0	(-) 3,587E+06 (A)	52,6
			137.585	(-) 3,116E+06 (A)	56,5	4,419E+04 (A) 1,165E+07 (A)	41,4	1,539E+05 (A) 2,520E+06 (A)	50,8	(-) 3,335E+06 (A)	48,9
			147.095	* 50.000 < 1,34 < 1,56		0,135 \pm 0,073	0,050 \pm 0,011	0,333 \pm 0,086	0,139 \pm 0,029	* 100.000 < 0,70 < 0,75	0,018 \pm 0,004
P2_XXI	202,2	I II	172.985	(-) 1,405E+06 (A)	25,5	6,055E+04 (A) 9,569E+06 (A)	34,0	6,281E+04 (A) 1,869E+06 (A)	37,7	(-) 2,741E+06 (A)	40,2
			137.585	(-) 1,226E+06 (A)	22,2	3,847E+04 (A) 7,755E+06 (A)	27,6	6,457E+04 (A) 1,970E+06 (A)	39,7	(-) 2,237E+06 (A)	32,8
			147.095	* 50.000 < 3,52 < 4,03		0,201 \pm 0,024	0,034 \pm 0,008	0,228 \pm 0,003	0,098 \pm 0,0019	* 100.000 < 0,93 < 1,14	0,013 \pm 0,003
P3_XXI	329,1	I II	172.985	(-) 1,716E+06 (A)	31,1	(-) 8,066E+06 (A)	28,7	3,339E+04 (M) 1,589E+06 (A)	32,0	(-) 2,255E+06 (A)	33,1
			137.585	(-) 1,323E+06 (A)	24,0	(-) 7,469E+06 (A)	26,6	5,864E+04 (A) 1,544E+06 (A)	31,1	(-) 2,031E+06 (A)	29,8
			147.095	* 50.000 < 1,77 < 2,30		-	0,031 \pm 0,006	0,202 \pm 0,058	0,080 \pm 0,015	* 100.000 < 0,70 < 0,77	0,011 \pm 0,003

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
Frau 20 (Patientencode S001)											
P1_XX	201,7	I	172.921	(-) 2,201E+06 (A)	40,1	3,178E+04 (A) 1,068E+07 (A)	39,8	1,163E+05 (A) 2,670E+06 (A)	61,9	(-) 2,930E+06 (A)	54,6
		II	145.749 140.005	(-) 2,142E+06 (A)	39,0	2,020E+04 (A) 8,561E+06 (A)	31,9	4,867E+04 (A) 1,928E+06 (A)	44,7	(-) 2,097E+06 (A)	39,1
				* 50.000 < 2,25 < 2,31	0,095 ± 0,011	0,056 ± 0,024	0,236 ± 0,063	0,132 ± 0,054	* < 100.000 < 0,88 < 1,22	0,016 ± 0,005	
P2_XX	218,0	I	172.921	(-) 8,328E+04 (A)	1,5	(-) 1,553E+06 (A)	5,8	(-) 2,995E+05 (A)	6,9	(-) 5,154E+05 (A)	9,6
		II	145.749 140.005	(-) 7,620E+04 (A)	1,4	(-) 1,247E+06 (A)	4,7	(-) 2,855E+05 (A)	6,6	(-) 3,921E+05 (A)	7,3
				* 50.000 < 55,06 < 60,17	-	0,008 ± 0,004	-	0,017 ± 0,006	* < 100.000 < 4,61 < 6,05	0,003 ± 0,001	
P3_XX	340,3	I	172.921	(-) 9,487E+05 (A)	17,3	6,722E+04 (A) 1,125E+07 (A)	42,0	8,965E+04 (A) 2,107E+06 (A)	48,9	(-) 2,852E+06 (A)	53,1
		II	145.749 140.005	(-) 9,690E+05 (A)	17,7	(-) 9,300E+06 (A)	34,7	1,047E+05 (A) 1,777E+06 (A)	41,2	(-) 2,695E+06 (A)	50,2
				* 50.000 < 3,10 < 3,03	0,212	0,060 ± 0,026	0,348 ± 0,056	0,112 ± 0,043	* < 100.000 < 0,53 < 0,56	0,017 ± 0,005	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 32 (Patientencode 23352)											
P1_XXXII	217,5	I II	172.921	(-) 2,942E+06 (A)	53,6	8,102E+04 (M) 1,222E+07 (A)	45,6	1,028E+05 (A) 2,316E+06 (A)	53,7	(-) 3,075E+06 (A)	57,3
			145.749	(-) 2,350E+06 (A)	42,8	4,789E+04 (A) 9,411E+06 (A)	35,1	1,020E+05 (M) 1,906E+06 (A)	44,2	(-) 2,563E+06 (A)	44,2
			140.005	* 60.000 < 1,87 < 2,35		0,208 \pm 0,027	0,063 \pm 0,028	0,336 \pm 0,034	0,122 \pm 0,047	* < 150.000 < 1,16 < 1,39	0,018 \pm 0,006
P2_XXXII	221,9	I II	172.921	(-) 3,284E+06 (A)	59,9	1,359E+05 (A) 1,396E+07 (A)	52,1	8,807E+04 (A) 2,875E+06 (A)	66,7	(-) 3,649E+06 (A)	68,0
			145.749	(-) 3,028E+06 (A)	55,2	1,041E+05 (A) 1,126E+07 (A)	42,0	1,238E+05 (A) 2,222E+06 (A)	51,6	(-) 3,230E+06 (A)	60,2
			140.005	* 60.000 < 1,65 < 1,79		0,337 \pm 0,009	0,074 \pm 0,032	0,296 \pm 0,086	0,147 \pm 0,058	* < 150.000 < 0,96 < 1,08	0,022 \pm 0,007
P3_XXXII	328,1	I II	172.921	(-) 2,702E+06 (A)	49,2	1,059E+05 (A) 1,263E+07 (A)	47,1	1,073E+05 (A) 2,636E+06 (A)	61,2	(-) 2,912E+06 (A)	54,3
			145.749	(-) 2,081E+06 (A)	37,9	8,288E+04 (A) 1,043E+07 (A)	38,9	5,528E+04 (M) 2,374E+06 (A)	55,1	(-) 3,124E+06 (A)	58,2
			140.005	* 60.000 < 1,35 < 1,76		0,298 \pm 0,008	0,067 \pm 0,029	0,220 \pm 0,060	0,145 \pm 0,055	* < 150.000 < 0,81 < 0,76	0,019 \pm 0,006

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 28 (Patientencode 22916)											
P1_XXVIII	211,8	I	172.921	(-) 1,278E+06 (A)	23,3	1,099E+05 (A) 8,276E+06 (A)	30,9	4,803E+04 (A) 1,891E+06 (A)	43,9	(-) 2,334E+06 (A)	43,5
		II	145.749 140.005	(-) 9,575E+05 (A)	17,4	(-) 6,730E+06 (A)	25,1	(-) 1,580E+06 (A)	36,7	(-) 1,757E+06 (A)	32,7
				* 50.000 < 4,32 < 5,76	0,472	0,044 ± 0,019	0,174	0,100 ± 0,039	* < 150.000 < 1,57 < 2,09	0,013 ± 0,004	
P2_XXVIII	221,3	I	172.921	(-) 1,430E+06 (A)	26,1	7,949E+04 (A) 1,087E+07 (A)	40,6	7,157E+04 (A) 2,241E+06 (A)	52,0	(-) 2,839E+06 (A)	52,9
		II	145.749 140.005	(-) 1,432E+06 (A)	26,1	5,779E+04 (A) 8,606E+06 (A)	32,1	8,476E+04 (A) 1,798E+06 (A)	41,7	(-) 2,596E+06 (A)	48,4
				* 50.000 < 3,78 < 3,77	0,249 ± 0,011	0,057 ± 0,025	0,271 ± 0,052	0,117 ± 0,046	* < 150.000 < 1,24 < 1,35	0,017 ± 0,005	
P3_XXVIII	331,2	I	172.921	(-) 3,800E+05 (A)	6,9	5,507E+04 (A) 9,196E+06 (A)	34,3	5,025E+04 (A) 1,856E+06 (A)	43,1	(-) 2,199E+06 (A)	41,0
		II	145.749 140.005	(-) 3,461E+05 (A)	6,3	(-) 7,644E+06 (A)	28,5	1,087E+05 (A) 1,806E+06 (A)	41,9	(-) 2,269E+06 (A)	42,3
				* 50.000 < 9,62 < 10,56	0,213	0,049 ± 0,021	0,300 ± 0,114	0,106 ± 0,040	* < 150.000 < 1,07 < 1,03	0,014 ± 0,004	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 4 (P4/P5/P6; Patientencode 21870)											
P4_IV	214,5	I	175.988	(-) 5,137E+05 (A)	6,4	1,678E+05 (A) 7,353E+06 (A)	26,2	8,697E+04 (A) 1,823E+06 (A)	35,2	3,875E+04 (A) 1,883E+06 (A)	26,5
		II	153.158 148.123	(-) 4,585E+05 (A)	5,7	1,334E+05 (A) 6,786E+06 (A)	24,2	(-) 1,625E+06 (A)	31,4	(-) 1,867E+06 (A)	26,3
				* 50.000 < 9,07 < 10,16	0,751 ± 0,056	0,038 ± 0,007	0,327	0,103 ± 0,028	0,106	0,008 ± 0,004	
P5_IV	217,7	I	175.988	(-) 3,950E+05 (A)	4,9	2,742E+05 (A) 9,348E+06 (A)	33,3	8,796E+04 (A) 1,869E+06 (A)	36,1	(-) 2,508E+06 (A)	35,3
		II	153.158 148.123	(-) 4,140E+05 (A)	5,1	2,891E+05 (A) 7,795E+06 (A)	27,8	5,563E+04 (A) 1,812E+06 (A)	35,0	(-) 2,385E+06 (A)	33,6
				* 50.000 < 11,62 < 11,09	1,180 ± 0,138	0,046 ± 0,009	0,267 ± 0,056	0,110 ± 0,029	-	0,011 ± 0,005	
P6_IV	329,0	I	175.988	(-) 2,226E+05 (A)	2,8	4,060E+05 (A) 1,024E+07 (A)	36,5	4,890E+04 (A) 2,114E+06 (A)	40,9	(-) 2,840E+06 (A)	40,0
		II	153.158 148.123	(-) 1,781E+05 (A)	2,2	3,068E+05 (A) 9,037E+06 (A)	32,2	(-) 2,171E+06 (A)	42,0	4,237E+04 (M) 2,171E+06 (A)	30,6
				* 50.000 < 13,65 < 17,06	1,308 ± 0,101	0,052 ± 0,009	0,159	0,128 ± 0,034	0,101	0,011 ± 0,006	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2		Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe
Frau 6 (Patientencode 21912)											
P1_VI	208,8	I	192.095	(-) 5,667E+05 (A)	8,8	(-) 5,923E+06 (A)	24,5	6,351E+04 (A) 1,285E+06 (A)	27,1	(-) 1,568E+06 (A)	24,1
			155.403	(-) 4,988E+05 (A)	7,8	7,643E+04 (A) 4,623E+06 (A)	19,0	2,390E+04 (A) 1,141E+06 (A)	24,1	(-) 1,449E+06 (A)	22,2
			181.639	* 50.000 < 8,45 < 9,60	0,588	0,034 ± 0,006	0,241 ± 0,098	0,074 ± 0,014	* 150.000 < 2,37 < 2,57		
P2_VI	213,4	I	192.095	(-) 4,715E+05 (A)	7,3	4,213E+04 (A) 5,231E+06 (A)	21,6	1,441E+05 (A) 1,321E+06 (A)	27,9	(-) 1,313E+06 (A)	20,2
			155.403	(-) 3,738E+05 (A)	5,8	(-) 4,222E+06 (A)	17,4	(-) 1,086E+06 (A)	22,9	(-) 1,269E+06 (A)	19,5
			181.639	* 50.000 < 9,93 < 12,53	0,286	0,030 ± 0,005	0,749	0,073 ± 0,015	* 150.000 < 2,77 < 2,87		
P3_VI	338,9	I	192.095	(-) 4,403E+05 (A)	6,9	(-) 1,167E+07 (A)	48,2	1,350E+05 (A) 2,535E+06 (A)	53,5	(-) 2,627E+06 (A)	40,3
			155.403	(-) 4,784E+05 (A)	7,5	6,041E+04 (A) 1,385E+07 (A)	57,2	1,007E+05 (A) 2,835E+06 (A)	59,8	(-) 3,612E+06 (A)	55,4
			181.639	* 50.000 < 6,70 < 6,17	0,155	0,081 ± 0,014	0,304 ± 0,061	0,163 ± 0,030	* 150.000 < 0,87 < 0,63		

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2		Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe
Frau 18 (Patientencode W001)											
P1_XXVIII	213,5	I II	192.095	(-) 2,595E+06 (A)	40,4	1,588E+05 (A) 1,222E+07 (A)	50,5	8,140E+04 (A) 2,321E+06 (A)	49,0	(-) 3,258E+06 (A)	50,0
			155.403	(-) 2,080E+06 (A)	32,4	1,231E+05 (A) 1,071E+07 (A)	44,2	1,122E+05 (A) 2,387E+06 (A)	50,4	(-) 2,791E+06 (A)	42,8
			181.639	* 50.000 < 1,80 < 2,25		0,435 \pm 0,027	0,073 \pm 0,012	0,282 \pm 0,041	0,143 \pm 0,025		* 150.000 < 1,12 < 1,30
P2_XXVIII	218,8	I II	192.095	(-) 2,504E+06 (A)	39,0	(-) 1,458E+07 (A)	60,2	1,456E+05 (A) 3,257E+06 (A)	68,7	(-) 4,037E+06 (A)	62,0
			155.403	(-) 2,234E+06 (A)	34,8	8,068E+04 (A) 1,180E+07 (A)	48,7	1,445E+05 (A) 2,787E+06 (A)	58,8	(-) 2,787E+06 (A)	42,8
			181.639	* 50.000 < 1,82 < 2,04		0,243	0,084 \pm 0,015	0,331 \pm 0,025	0,183 \pm 0,035		* 150.000 < 0,88 < 1,27
P3_XXVIII	341,7	I II	192.095	(-) 2,531E+05 (A)	3,9	2,423E+04 (A) 1,586E+06 (A)	6,6	3,454E+04 (A) 3,231E+05 (A)	6,8	(-) 5,080E+05 (A)	7,8
			155.403	(-) 2,650E+05 (A)	4,1	(-) 1,285E+06 (A)	5,3	(-) 2,033E+05 (A)	4,3	(-) 3,859E+05 (A)	5,9
			181.639	* 50.000 < 11,56 < 11,04		0,543	0,009 \pm 0,002	0,734	0,016 \pm 0,005		* 150.000 < 4,47 < 5,89

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 24 (Patientencode 22960)											
P1_XXIV	202,7	I	180.734	(-) 1,826E+06 (A)	26,8	3,163E+04 (A) 1,305E+07 (A)	43,4	1,645E+05 (A) 3,040E+06 (A)	59,1	(-) 3,752E+06 (A)	50,5
		II	179.880 200.345	(-) 1,458E+06 (A)	21,4	6,867E+04 (A) 1,212E+07 (A)	40,3	8,081E+04 (A) 3,054E+06 (A)	59,4	(-) 3,354E+06 (A)	45,1
				* 50.000 < 2,70 < 3,38	0,144 ± 0,058	0,052 ± 0,015	0,276 ± 0,095	0,150 ± 0,029	* < 150.000 < 1,02 < 1,14	0,019 ± 0,003	
P2_XXIV	218,2	I	180.734	(-) 8,711E+05 (A)	12,8	2,519E+04 (A) 1,077E+07 (A)	35,8	1,037E+05 (A) 2,616E+06 (A)	50,9	(-) 3,219E+06 (A)	43,3
		II	179.880 200.345	(-) 6,713E+05 (A)	9,9	5,038E+04 (A) 7,534E+06 (A)	25,0	1,229E+05 (A) 1,730E+06 (A)	33,7	(-) 2,727E+06 (A)	36,7
				* 50.000 < 5,26 < 6,82	0,160 ± 0,077	0,038 ± 0,013	0,380 ± 0,108	0,107 ± 0,030	* < 150.000 < 1,11 < 1,30	0,016 ± 0,002	
P3_XXIV	339,1	I	180.734	(-) 6,248E+05 (A)	9,2	5,108E+04 (A) 1,488E+07 (A)	49,5	1,518E+05 (A) 3,158E+06 (A)	61,4	(-) 3,956E+06 (A)	53,2
		II	179.880 200.345	(-) 4,515E+05 (A)	6,6	(-) 1,251E+07 (A)	41,6	8,781E+04 (A) 2,929E+06 (A)	57,0	(-) 3,342E+06 (A)	45,0
				* 50.000 < 4,72 < 6,91	0,122	0,057 ± 0,017	0,268 ± 0,062	0,150 ± 0,029	* < 150.000 < 0,58 < 0,68	0,020 ± 0,003	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄	
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 27 (Patientencode 22717)												
P1_XXVII	208,1	I II	180.734 179.880 200.345	(-) 1,663E+05 (A)	2,4	(-) 2,688E+06 (A)	8,9	4,938E+04 (A) 5,823E+05 (A)	11,3	(-) 5,752E+05 (A)	7,7	
				(-) 1,699E+05 (A)	2,5	(-) 2,880E+06 (A)	9,6	2,954E+04 (A) 6,193E+05 (A)		(-) 7,463E+05 (A)		10,0
				* < 50.000 < 28,89 < 28,28	-	0,016 ± 0,003	0,455 ± 0,127	0,030 ± 0,006		* < 150.000 < 5,74 < 5,00		
P2_XXVII	227,5	I II	180.734 179.880 200.345	(-) 2,574E+05 (A)	3,8	(-) 4,937E+06 (A)	16,4	7,859E+04 (A) 1,091E+06 (A)	21,2	(-) 1,331E+06 (A)	17,9	
				(-) 1,728E+05 (A)	2,5	3,927E+04 (A) 3,979E+06 (A)	13,2	4,287E+04 (A) 9,834E+05 (A)		(-) 9,334E+05 (A)		12,6
				* < 50.000 < 17,07 < 25,42	0,351	0,019 ± 0,006	0,397 ± 0,098	0,051 ± 0,010		* < 150.000 < 2,56 < 3,66		
P3_XXVII	319,1	I II	180.734 179.880 200.345	(-) 4,680E+04 (A)	0,7	2,975E+04 (A) 6,363E+06 (A)	21,1	9,778E+04 (A) 1,414E+06 (A)	27,5	(-) 1,577E+06 (A)	21,2	
				(-) 5,455E+04 (A)	0,8	8,048E+04 (A) 5,312E+06 (A)	17,7	6,473E+04 (A) 1,201E+06 (A)		(-) 1,499E+06 (A)		20,2
				* < 50.000 < 66,92 < 60,82	0,352 ± 0,186	0,024 ± 0,007	0,422 ± 0,052	0,064 ± 0,013		* < 150.000 < 1,54 < 1,62		

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 29 (P4/P5/P6; Patientencode W005)											
P4_XXIX	202,5	I II	214.211	(-) 7,349E+05 (A)	10,2	(-) 3,084E+06 (A)	10,1	3,996E+04 (A) 5,575E+05 (A)	9,8	(-) 9,238E+05 (A)	11,9
			192.906	(-) 7,458E+05 (A)	10,4	5,267E+04 (A) 3,528E+06 (A)	11,6	(-) 7,424E+05 (A)	13,0	(-) 7,989E+05 (A)	10,3
			143.742	* < 50.000 < 6,72 < 6,62	0,530	0,014 ± 0,004	0,492	0,022 ± 0,014	* < 100.000 < 2,77 < 3,20	0,0021 ± 0,0003	
P5_XXIX	207,1	I II	214.211	(-) 4,308E+05 (A)	6,0	3,408E+04 (A) 3,054E+06 (A)	10,0	3,449E+04 (A) 7,174E+05 (A)	12,6	(-) 9,278E+05 (A)	11,9
			192.906	(-) 7,082E+05 (A)	9,9	2,945E+04 (A) 3,645E+06 (A)	12,0	2,479E+04 (A) 6,931E+05 (A)	12,2	(-) 7,940E+05 (A)	10,2
			143.742	* < 50.000 < 11,20 < 6,82	0,342 ± 0,055	0,015 ± 0,004	0,288 ± 0,042	0,024 ± 0,015	* < 100.000 < 2,69 < 3,15	0,0021 ± 0,0003	
P6_XXIX	331,5	I II	214.211	(-) 1,586E+06 (A)	22,1	7,404E+04 (A) 9,726E+06 (A)	31,9	8,176E+04 (A) 1,988E+06 (A)	34,9	(-) 2,644E+06 (A)	34,0
			192.906	(-) 1,530E+06 (A)	21,3	1,213E+05 (A) 1,033E+07 (A)	33,9	1,326E+05 (A) 2,003E+06 (A)	35,1	(-) 2,839E+06 (A)	36,5
			143.742	* < 50.000 < 1,90 < 1,97	0,344 ± 0,073	0,044 ± 0,011	0,368 ± 0,086	0,068 ± 0,042	* < 100.000 < 0,59 < 0,55	0,0065 ± 0,0009	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 26 (Patientencode 22755)											
P1_XXVI	206,6	I	172.985	(-)	8,6	4,861E+04 (A)	21,8	7,111E+04 (A)	31,0	(-)	25,1
		II	137.585 147.095	(-) 3,585E+05 (A)	6,5	6,118E+06 (A)	14,2	1,538E+06 (A) 5,742E+04 (M) 9,457E+05 (A)	19,1	(-) 1,411E+06 (A)	20,7
				* 50.000 < 10,26 < 13,50	0,282	0,020 \pm 0,006	0,367 \pm 0,050	0,063 \pm 0,019	* < 100.000 < 1,46 < 1,78	0,008 \pm 0,002	
P2_XXVI	221,5	I	172.985	(-)	4,5	4,559E+06 (A)	16,2	9,006E+04 (A)	19,5	(-)	20,3
		II	137.585 147.095	(-) 2,314E+05 (A)	4,2	4,097E+06 (A)	14,6	9,689E+05 (A) 1,141E+06 (A)	23,0	(-) 1,092E+06 (A)	16,0
				* 50.000 < 18,32 < 19,50	-	0,017 \pm 0,004	0,638	0,054 \pm 0,011	* < 100.000 < 1,69 < 2,14	0,006 \pm 0,002	
P3_XXVI	328,0	I	172.985	(-)	0,8	3,878E+04 (A)	17,6	3,049E+04 (A)	27,3	(-)	17,8
		II	137.585 147.095	(-) (-)	-	4,951E+06 (A)	14,5	1,354E+06 (A) 8,369E+05 (A)	16,9	(-) 1,038E+06 (A)	15,2
				* 50.000 < 69,88 -	0,278	0,018 \pm 0,004	0,155	0,056 \pm 0,017	* < 100.000 < 1,30 < 1,52	0,006 \pm 0,001	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
Frau 26 (Patientencode 22755)											
P4_XXVI	203,0	I II	214.211	(-) 1,268E+05 (A)	1,8	(-) 4,141E+06 (A)	13,6	(-) 1,071E+06 (A)	18,8	(-) 1,103E+06 (A)	14,2
			192.906	(-) 2,903E+04 (A)	0,4	4,435E+04 (A)	13,9	7,030E+04 (A)	20,8	(-) 1,259E+06 (A)	16,2
			143.742		* 50.000 < 38,82 < 169,77	0,373	0,018 ± 0,005	0,406	0,039 ± 0,024	* < 100.000 < 2,31 < 2,02	0,0028 ± 0,0004
P5_XXVI	216,1	I II	214.211	(-) (-) 2,617E+04 (A)	-	(-) 1,676E+05 (A)	0,6	2,318E+04 (A) 6,968E+04 (A)	1,2	(-) 4,543E+04 (A)	0,6
			192.906	(-) 2,617E+04 (A)	0,4	(-) 2,400E+05 (A)	0,8	(-) 3,845E+04 (A)	0,7	(-) 9,704E+04 (A)	1,2
			143.742		* 50.000 - < 176,77	-	0,0009 ± 0,0003	2,283	0,002 ± 0,001	* < 100.000 < 52,71 < 24,68	0,00017 ± 0,00007
P6_XXVI	326,4	I II	214.211	(-) (-) (-)	-	2,069E+04 (A) 4,664E+06 (A)	15,3	3,732E+04 (A) 9,992E+05 (A)	17,5	(-) 9,402E+05 (A)	12,1
			192.906	(-) (-) (-)	-	3,710E+04 (A) 5,088E+06 (A)	16,7	4,270E+04 (A) 1,049E+06 (A)	18,4	(-) 1,161E+06 (A)	14,9
			143.742		* 50.000 - -	0,158 ± 0,051	0,021 ± 0,005	0,268 ± 0,012	0,035 ± 0,021	* < 100.000 < 1,69 < 1,37	0,0025 ± 0,0004

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 1 (P4/P5/P6; Patientencode 14116)											
P4_I	202,5	I	175.988	(-) 1,607E+06 (A)	19,9	5,366E+04 (A)	19,2	7,256E+04 (A)	23,1	(-) 1,498E+06 (A)	21,1
			153.158	(-) 1,705E+06 (A)	21,1	5,394E+06 (A)	16,6	1,197E+06 (A)	19,9	(-) 1,201E+06 (A)	16,9
			148.123	* < 25.000 < 1,54 < 1,45	0,277 \pm 0,077	0,027 \pm 0,005	0,376 \pm 0,040	0,067 \pm 0,018	* < 100.000 < 1,71 < 2,13	0,006 \pm 0,003	
P5_I	218,0	I	175.988	(-) 1,028E+06 (A)	12,7	3,080E+04 (A)	16,9	3,016E+04 (A)	24,0	(-) 9,826E+05 (A)	13,8
			153.158	(-) 7,647E+05 (A)	9,5	4,740E+06 (A)	13,6	1,244E+06 (A)	22,7	(-) 8,486E+05 (A)	11,9
			148.123	* < 25.000 < 2,23 < 2,30	0,231	0,023 \pm 0,004	0,166	0,072 \pm 0,019	* < 100.000 < 2,42 < 2,80	0,004 \pm 0,002	
P6_I	316,3	I	175.988	(-) 1,582E+05 (A)	2,0	3,579E+04 (A)	10,1	(-) 3,803E+05 (A)	7,3	(-) 7,257E+05 (A)	10,2
			153.158	(-) 9,887E+04 (A)	1,2	2,824E+06 (A)	8,2	(-) 5,429E+05 (A)	10,5	(-) 5,429E+05 (A)	7,6
			148.123	* < 25.000 < 9,99 < 15,98	0,410 \pm 0,040	0,014 \pm 0,002	-	0,028 \pm 0,009	* < 100.000 < 2,25 < 3,01	0,003 \pm 0,001	

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2		Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe
Frau 3 (Patientencode 21545)											
P1_III	214,5	I	192.095	(-) 2,976E+05 (A)	4,6	3,457E+04 (A) 5,116E+06 (A)	21,1	4,501E+04 (A) 1,112E+06 (A)	23,5	(-) 1,534E+06 (A)	23,5
		II	155.403 181.639	(-) 1,615E+05 (A)	2,5	(-) 4,245E+06 (A)	17,5	4,890E+04 (A) 8,854E+05 (A)	18,7	(-) 1,258E+06 (A)	19,3
				* 50.000 < 15,66 < 28,85	0,240	0,030 \pm 0,005	0,328 \pm 0,051	0,061 \pm 0,013	* 150.000 < 2,36 < 2,88		
P2_III	228,8	I	192.095	(-) 1,173E+06 (A)	18,3	7,294E+04 (M) 8,672E+06 (A)	35,8	9,418E+04 (A) 2,106E+06 (A)	44,4	(-) 2,819E+06 (A)	43,3
		II	155.403 181.639	(-) 1,242E+06 (A)	19,4	4,045E+04 (M) 8,359E+06 (A)	34,5	7,548E+04 (A) 1,838E+06 (A)	38,8	(-) 2,070E+06 (A)	31,8
				* 50.000 < 3,72 < 3,52	0,235 \pm 0,063	0,054 \pm 0,008	0,294 \pm 0,013	0,120 \pm 0,022	* 150.000 < 1,20 < 1,64		
P3_III	338,8	I	192.095	(-) 1,712E+05 (A)	2,7	4,032E+04 (M) 7,251E+06 (A)	29,9	4,418E+04 (M) 1,384E+06 (A)	29,2	(-) 1,769E+06 (A)	27,2
		II	155.403 181.639	(-) 1,641E+05 (A)	2,6	2,975E+04 (M) 6,511E+06 (A)	26,9	5,586E+04 (A) 1,334E+06 (A)	28,1	(-) 1,651E+06 (A)	25,3
				* 50.000 < 17,23 < 17,98	0,146 \pm 0,037	0,044 \pm 0,007	0,253 \pm 0,034	0,082 \pm 0,014	* 150.000 < 1,30 < 1,39		

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier 16-α-HO-E1 (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 3 (P4/P5/P6; Patientencode 21545)											
P4_III	210,8	I	162.865	(-) 1,100E+06 (A)	15,8	7,200E+04 (A) 9,108E+06 (A)	33,7	1,502E+05 (A) 2,046E+06 (A)	44,0	(-) 2,449E+06 (A)	39,0
		II	170.435 160.631	(-) 1,109E+06 (A)	16,0	3,822E+04 (A) 8,127E+06 (A)	30,1	6,887E+04 (A) 1,651E+06 (A)	35,5	(-) 2,204E+06 (A)	35,1
				* 50.000 < 4,31 < 4,28		0,224 ± 0,057	0,0377 ± 0,004	0,395 ± 0,109	0,103 ± 0,037	* < 100.000 < 1,00 < 1,11	0,010 ± 0,003
P5_III	218,5	I	162.865	(-) 3,038E+05 (A)	4,4	3,470E+04 (A) 3,915E+06 (A)	14,5	(-) 8,089E+05 (A)	17,4	(-) 9,577E+05 (A)	15,3
		II	170.435 160.631	(-) 2,704E+05 (A)	3,9	5,276E+04 (A) 3,215E+06 (A)	11,9	3,346E+04 (A) 7,685E+05 (A)	16,5	(-) 1,025E+06 (A)	16,3
				* 50.000 < 15,06 < 16,92		0,449 ± 0,134	0,016 ± 0,002	0,299	0,044 ± 0,015	* < 100.000 < 2,47 < 2,31	0,004 ± 0,001
P6_III	322,6	I	162.865	(-) 1,538E+05 (A)	2,2	2,083E+04 (A) 3,811E+06 (A)	14,1	4,628E+04 (A) 7,349E+05 (A)	15,8	(-) 1,110E+06 (A)	17,7
		II	170.435 160.631	(-) 1,360E+05 (A)	2,0	2,468E+04 (A) 3,421E+06 (A)	12,7	(-) 8,304E+05 (A)	17,9	(-) 1,137E+06 (A)	18,1
				* 50.000 < 20,14 < 22,78		0,194 ± 0,031	0,016 ± 0,001	0,432	0,044 ± 0,015	* < 100.000 < 1,45 < 1,41	0,005 ± 0,001

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier 16- α -HO-E1 (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier 2-MeO-E1 (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier 4-MeO-E1 (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier 3-O-Me-2-HO-E1 (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 19 (P4/P5/P6; Patientencode W002)											
P4_XIX	207,6	I II	162.865	(-) 4,272E+05 (A)	6,1	3,035E+04 (A) 2,570E+06 (A)	9,5	(-) 6,801E+05 (A)	14,6	(-) 9,013E+05 (A)	14,4
			170.435	(-) 3,506E+05 (A)	5,0	(-) 2,437E+06 (A)	9,0	(-) 5,120E+05 (A)	11,0	(-) 6,694E+05 (A)	10,7
			160.631	* < 25.000 < 5,64 < 6,87	0,420	0,011 \pm 0,001	-	0,033 \pm 0,012	* < 100.000 < 2,77 < 3,27	0,005 \pm 0,001	
P5_XIX	213,6	I II	162.865	(-) 3,981E+05 (A)	5,7	(-) 5,108E+06 (A)	18,9	2,791E+04 (A) 1,435E+06 (A)	30,9	(-) 1,615E+06 (A)	25,7
			170.435	(-) 4,105E+05 (A)	5,9	(-) 4,444E+06 (A)	16,4	7,092E+04 (A) 1,250E+06 (A)	26,9	(-) 1,300E+06 (A)	20,7
			160.631	* < 25.000 < 5,88 < 5,70	-	0,021 \pm 0,002	0,261 \pm 0,128	0,075 \pm 0,026	* < 100.000 < 1,50 < 1,86	0,009 \pm 0,003	
P6_XIX	327,3	I II	162.865	(-) 5,986E+04 (A)	0,9	(-) 1,557E+06 (A)	5,8	4,340E+04 (A) 4,177E+05 (A)	9,0	(-) 4,172E+05 (A)	6,7
			170.435	(-) 7,406E+04 (A)	1,1	(-) 1,042E+06 (A)	3,9	(-) 1,746E+05 (A)	3,8	(-) 1,746E+05 (A)	2,8
			160.631	* < 25.000 < 25,51 < 20,62	-	0,006 \pm 0,001	0,713	0,017 \pm 0,009	* < 100.000 < 3,78 < 9,06	0,002 \pm 0,001	

				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
				Gehalt 16-α-HO-E1 pmol/g Gewebe		Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
Frau 4 (P1/P2/P3; Patientencode 21870)											
P1_IV	205,9	I	162.865	(-) 8,815E+04 (A)	1,7	1,966E+05 (A) 4,973E+06 (A)	17,9	4,197E+05 (A) 1,434E+06 (A)	28,9	4,692E+04 (A) 1,180E+06 (A)	17,9
				(-) 7,700E+04 (A)		2,027E+05 (A) 4,145E+06 (A)		3,988E+05 (A) 1,084E+06 (A)		7,535E+04 (A) 1,358E+06 (A)	
		II	180.155 162.246	(-) n.b.	1,5	n.b. n.b.	14,9	n.b. n.b.	21,8	n.b. n.b.	20,6
				(-) -	*< 50.000 < 55,07 < 63,05	1,758E+06 (A)	0,109 ± 0,017	5,337E+05 (A)	0,600 ± 0,104	(-)	0,246 ± 0,041 0,040 ± 0,008
P2_IV	213,6	I	162.865	(-) 7,803E+04 (A)	1,5	3,487E+05 (A) 7,226E+06 (A)	26,0	6,982E+05 (A) 1,817E+06 (A)	36,6	4,015E+04 (A) 1,873E+06 (A)	28,4
				(-) 2,674E+04 (A)		1,523E+05 (A) 4,263E+06 (A)		3,647E+05 (A) 1,068E+06 (A)		3,363E+04 (A) 1,053E+06 (A)	
		II	180.155 162.246	(-) n.b.	0,5	n.b. n.b.	15,3	n.b. n.b.	21,5	n.b. n.b.	16,0
				(-) -	*< 50.000 < 59,97 < 175,01	1,639E+06 (A)	0,137 ± 0,039	5,144E+05 (A)	0,687 ± 0,192	(-)	0,138 ± 0,027 0,046 ± 0,016
P3_IV	339,9	I	162.865	(-) 3,884E+04 (A)	0,8	3,504E+05 (A) 6,787E+06 (A)	24,4	6,186E+05 (A) 1,684E+06 (A)	33,9	8,143E+04 (A) 1,859E+06 (A)	28,2
				(-) -		3,469E+05 (A) 6,239E+06 (A)		4,917E+05 (A) 1,547E+06 (A)		3,494E+04 (A) 1,522E+06 (A)	
		II	180.155 162.246	n.b. n.b.	-	n.b. n.b.	22,4	n.b. n.b.	31,2	n.b. n.b.	23,1
				(-) -	*< 50.000 < 75,71 -	2,408E+06 (A)	0,155 ± 0,020	7,832E+05 (A)	0,769 ± 0,086	(-)	3,844E+05 (A) 0,173 ± 0,054 0,053 ± 0,012

				16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 5 (Patientencode 21982)											
P1_V	209,0	I	162.865	(-) 8,509E+05 (A)	16,73	2,011E+05 (A) 8,083E+06 (A)	29,0	5,310E+05 (A) 1,597E+06 (A)	32,2	8,194E+04 (A) 2,131E+06 (A)	32,4
				(-) 5,404E+05 (A)		1,137E+05 (A) 6,385E+06 (A)		5,070E+05 (A) 1,493E+06 (A)		8,275E+04 (A) 1,701E+01 (A)	
		II	180.155 162.246	n.b. n.b. (-) -	10,6	n.b. n.b. (-) 2,522E+06 (A)	22,9	n.b. n.b. (-) 6,594E+05 (A)	30,1	n.b. n.b. (-) 5,013E+05 (A)	25,8
					* $<$ 50.000 $<$ 5,62 $<$ 8,85	0,758 \pm 0,126	0,172 \pm 0,029	2,306 \pm 0,024	0,736 \pm 0,080	0,225 \pm 0,026	0,060 \pm 0,014
P2_V	213,6	I	162.865	(-) 2,538E+06 (A)	49,9	2,735E+05 (A) 1,212E+07 (A)	43,5	9,509E+05 (A) 2,631E+06 (A)	53,0	1,200E+05 (A) 3,603E+06 (A)	54,7
				(-) 1,418E+06 (A9)		2,112E+05 (A) 1,027E+07 (A)		8,361E+05 (A) 2,061E+06 (A)		1,193E+05 (A) 2,929E+06 (A)	
		II	180.155 162.246	n.b. n.b. (-) -	27,9	n.b. n.b. (-) 4,593E+06 (A)	36,9	n.b. n.b. (-) 3,767E+05 (A) 1,013E+06 (A)	41,5	n.b. n.b. (-) 8,807E+05 (A)	44,5
					* $<$ 50.000 $<$ 2,00 $<$ 3,50	0,766 \pm 0,036	0,267 \pm 0,039	2,632 \pm 0,152	1,118 \pm 0,178	0,192 \pm 0,019	0,103 \pm 0,023
P3_V	336,6	I	162.865	(-) 1,384E+06 (A)	27,2	2,872E+05 (A) 1,333E+07 (A)	47,9	1,099E+06 (A) 3,215E+06 (A)	64,7	2,021E+05 (A) 3,555E+06 (A)	54,0
				(-) 3,393E+05 (A)		2,705E+05 (A) 1,183E+07 (A)		8,685E+05 (A) 2,603E+06 (A)		1,158E+05 (A) 3,709E+06 (A)	
		II	180.155 162.246	n.b. n.b. (-) -	6,7	n.b. n.b. (-) 4,495E+06 (A)	42,5	n.b. n.b. (-) 3,945E+05 (A) 1,302E+06 (A)	52,4	n.b. n.b. (-) 9,105E+05 (A)	56,3
					* $<$ 50.000 $<$ 2,15 $<$ 8,75	0,789 \pm 0,023	0,300 \pm 0,041	2,318 \pm 0,028	1,386 \pm 0,205	0,228 \pm 0,066	0,114 \pm 0,023

				16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1		
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄	
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		
					Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	
Frau 30 (Patientencode W006)												
P1_XXX	207,3	I	203.537	(-)	10,1	1,606E+05 (A)	35,5	7,005E+05 (A)	46,3	3,881E+04 (A)	45,7	
				4,694E+05 (A)		8,151E+06 (A)		1,916E+06 (A)		2,522E+06 (A)		
		II	233.760 170.609	(-)	9,2	1,400E+05 (A)	34,0	5,563E+05 (A)	n.b.	8,054E+04 (A)	n.b.	40,6
				4,271E+05 (A)	7,794E+06 (A)	1,829E+06 (A)	n.b.	2,240E+06 (A)	n.b.			
				* < 50.000 < 10,27 < 11,29	0,669 \pm 0,031	0,239 \pm 0,006	2,298 \pm 0,211	0,971 \pm 0,128	0,133 \pm 0,053	0,097 \pm 0,027		
P2_XXX	211,7	I	203.537	(-)	15,0	8,949E+04 (A)	18,2	3,446E+05 (A)	28,7	1,068E+05 (A)	19,7	
				6,926E+05 (A)		4,183E+06 (A)		1,186E+06 (A)		1,084E+06 (A)		
		II	233.760 170.609	(-)	15,7	9,956E+04 (A)	15,6	2,358E+05 (A)	n.b.	3,844E+04 (A)	n.b.	18,0
				7,263E+05 (A)	3,573E+06 (A)	8,720E+05 (A)	n.b.	9,943E+05 (A)	n.b.			
				* < 50.000 < 6,82 < 6,50	0,875 \pm 0,115	0,116 \pm 0,009	1,925 \pm 0,069	0,534 \pm 0,107	0,355 \pm 0,155	0,042 \pm 0,012		
P3_XXX	346,1	I	203.537	(-)	1,5	2,706E+04 (A)	2,6	8,485E+04 (A)	3,5	4,004E+04 (A)	3,0	
				6,811E+04 (A)		6,077E+05 (A)		1,466E+05 (A)		1,649E+05 (A)		
		II	233.760 170.609	(-)	-	4,160E+04 (A)	2,5	5,479E+04 (A)	n.b.	(-)	n.b.	2,6
				(-)	5,666E+05 (A)	1,210E+06 (A)	n.b.	1,450E+05 (A)	n.b.			
				* < 50.000 < 42,40 -	2,096 \pm 0,513	0,018 \pm 0,001	3,501 \pm 0,472	0,070 \pm 0,011	1,256	0,006 \pm 0,002		

				16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
				/	Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gehalt 3-O-Me-2-HO-E1 pmol/g Gewebe	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 1 (Patientencode 14116)											
P1_I	206,2	I	203.537	(-) 2,656E+05 (A)	5,7	4,236E+04 (A) 1,552E+06 (A)	6,8	1,502E+05 (A) 4,637E+05 (A)	11,2	(-) 4,647E+05 (A)	8,4
				(-) 1,738E+05 (A)		(-) 1,339E+06 (A)		5,784E+04 (A) 2,953E+05 (A)		(-) 4,182E+05 (A)	
		II	233.760 170.609	n.b. n.b. (-) -	3,8	n.b. n.b. (-) 5,285E+05 (A)	5,8	n.b. n.b. (-) 1,203E+05 (A)	7,1	n.b. n.b. (-) (-)	7,6
				/	*< 25.000 < 9,12 < 13,94	0,970	0,043 \pm 0,003	1,783 \pm 0,439	0,197 \pm 0,051	*< 100.000 < 5,40 < 6,00	0,018 \pm 0,004
P2_I	220,4	I	203.537	(-) 9,434E+04 (A)	2,0	2,586E+04 (A) 6,045E+05 (A)	2,6	7,492E+04 (A) 1,523E+05 (A)	3,7	(-) 1,598E+05 (A)	2,9
				(-) 1,007E+05 (A)		(-) 4,244E+05 (A)		(-) 8,109E+04 (A)		(-) 1,321E+05 (A)	
		II	233.760 170.609	n.b. n.b. (-) -	2,2	n.b. n.b. (-) 1,580E+05 (A)	1,9	n.b. n.b. (-) (-)	2,0	n.b. n.b. (-) (-)	2,4
				/	*< 25.000 < 24,04 < 22,52	1,152	0,015 \pm 0,003	3,376	0,061 \pm 0,020	*< 100.000 < 14,69 < 17,77	0,006 \pm 0,002
P3_I	357,9	I	203.537	(-) 8,690E+04 (A)	1,9	2,805E+04 (A) 7,638E+05 (A)	3,3	4,698E+04 (A) 1,360E+05 (A)	3,3	(-) 1,624E+05 (A)	2,9
				(-) 4,829E+04 (A)		5,564E+05 (A)		3,751E+04 (A) 1,155E+05 (A)		(-) 1,488E+05 (A)	
		II	233.760 170.609	n.b. n.b. (-) -	1,0	n.b. n.b. (-) 3,020E+05 (A)	2,4	n.b. n.b. (-) 1,127E+05 (A)	2,8	n.b. n.b. (-) (-)	2,7
				/	*< 25.000 < 16,07 < 28,92	1,538 \pm 0,233	0,020 \pm 0,003	2,300 \pm 0,071	0,065 0,010	*< 100.000 < 8,90 < 9,72	0,006 \pm 0,002

				16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
						Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 11 (Patientencode 22037)											
P1_XI	200,2	I	254.630	(-) 3,087E+06 (A)	50,4	2,883E+05 (A) 9,283E+06 (A)	33,0	7,530E+05 (A) 2,032E+06 (A)	39,0	1,564E+05 (A) 2,773E+06 (A)	37,3
				(-) 2,408E+06 (A)		2,966E+05 (A) 8,761E+06 (A)		7,903E+05 (A) 1,965E+06 (A)		1,180E+05 (A) 2,651E+06 (A)	
		II	261.184 218.315	n.b. n.b. (-) -	39,3	n.b. n.b. (-) 7,240E+05 (A)	31,1	n.b. n.b. (-) 4,862E+05 (A) 9,165E+05 (A)	37,7	n.b. n.b. (-) 7,240E+05 (A)	35,6
				* < 60.000 < 1,94 < 2,49	1,153 \pm 0,050	0,216 \pm 0,021	2,652 \pm 0,109	0,858 \pm 0,057	0,261 \pm 0,031	0,060 \pm 0,006	
P2_XI	215,5	I	254.630	(-) 2,937E+06 (A)	47,9	2,327E+05 (A) 7,833E+06 (A)	27,8	7,637E+05 (A) 2,030E+06 (A9)	39,0	1,238E+05 (M) 1,965E+06 (A)	26,4
				(-) 2,187E+06 (A)		1,404E+05 (M) 7,023E+06 (A)		6,389E+05 (A) 1,528E+06 (A9)		1,203E+05 (M) 2,031E+06 (A)	
		II	261.184 218.315	n.b. n.b. (-) -	35,7	n.b. n.b. (-) 3,145E+06 (A)	25,0	n.b. n.b. 2,546E+05 (M) 7,452E+05 (A)	29,4	n.b. n.b. (-) (-)	27,3
				* < 60.000 < 1,90 < 2,54	0,883 \pm 0,173	0,178 \pm 0,019	2,726 \pm 0,144	0,764 \pm 0,118	0,316 \pm 0,010	0,044 \pm 0,004	
P3_XI	335,9	I	254.630	(-) 1,246E+06 (A)	20,3	1,403E+05 (A) 3,801E+06 (A)	13,5	4,048E+05 (A) 9,381E+05 (A)	18,0	3,105E+04 (A) 1,107E+06 (A)	14,9
				(-) 8,816E+05 (A)		7,508E+04 (A) 2,859E+06 (A)		2,656E+05 (A) 6,309E+05 (A)		5,795E+04 (A) 9,658E+05 (A)	
		II	261.184 218.315	n.b. n.b. (-) -	14,4	n.b. n.b. (-) 1,265E+06 (A)	10,2	n.b. n.b. (-) 2,927E+05 (A)	12,1	n.b. n.b. (-) (-)	13,0
				* < 60.000 < 2,87 < 4,05	1,122 \pm 0,189	0,080 \pm 0,013	2,925 \pm 0,036	0,337 \pm 0,069	0,228 \pm 0,083	0,023 \pm 0,003	

				16- α -HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16- α -HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
				/	Gehalt 16- α -HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW \pm Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW \pm Range/2
Frau 2 (Patientencode 21640)											
P1_II	206,4	I	254.630	(-)	55,2	2,915E+05 (A)	29,3	6,183E+05 (A)	34,5	5,162E+04 (A)	36,8
				3,385E+06 (A)		8,243E+06 (A)		1,794E+06 (A)		2,742E+06 (A)	
		II	261.184 218.315	(-)	37,0	2,273E+05 (A)	24,0	5,804E+05 (A)	31,8	9,184E+04 (A)	25,8
				2,269E+06 (A)		6,756E+06 (A)		1,656E+06 (A)		1,921E+06 (A)	
/	* $<$ 60.000 $<$ 1,72 $<$ 2,56	1,226 \pm 0,031	0,179 \pm 0,024	2,385 \pm 0,020	0,740 \pm 0,056	0,172 \pm 0,075	0,052 \pm 0,010				
P2_II	228,9	I	254.630	(-)	56,7	2,530E+05 (A)	28,6	6,179E+05 (A)	37,7	(-)	31,1
				3,474E+06 (A)		8,047E+06 (A)		1,965E+06 (A)		2,317E+06 (A)	
		II	261.184 218.315	(-)	29,5	1,989E+05 (A)	26,1	5,437E+05 (A)	30,3	5,903E+04 (A)	29,3
				1,806E+06 (A)		7,333E+06 (A)		1,578E+06 (A)		2,178E+06 (A)	
/	* $<$ 60.000 $<$ 1,51 $<$ 2,90	1,041 \pm 0,076	0,184 \pm 0,019	2,264 \pm 0,100	0,760 \pm 0,096	0,140	0,050 \pm 0,005				
P3_II	334,4	I	254.630	(-)	48,5	2,670E+05 (A)	49,2	1,044E+06 (A)	59,3	1,114E+05 (A)	55,5
				2,970E+06 (A)		1,385E+07 (A)		3,089E+06 (A)		4,133E+06 (A)	
		II	261.184 218.315	(-)	37,2	2,646E+05 (A)	46,6	1,054E+06 (A)	54,6	1,075E+05 (M)	50,1
				2,277E+06 (A)		1,311E+07 (A)		2,840E+06 (A)		3,732E+06 (A)	
/	* $<$ 60.000 $<$ 1,21 $<$ 1,58	0,701 \pm 0,016	0,322 \pm 0,031	2,433 \pm 0,113	1,272 \pm 0,098	0,144 \pm 0,005	0,087 \pm 0,010				

				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1		
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄	
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		
				/				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2
Frau 12 (Patientencode 4322)												
P1_XII	205,1	I	179.128	(-) 5,603E+04 (A)	1,4	7,181E+04 (A) 1,889E+06 (A)	9,4	1,004E+05 (A) 4,551E+05 (A)	12,1	(-) 5,403E+05 (A)	9,6	
				(-) 5,583E+04 (A)		5,084E+04 (A) 1,745E+06 (A)		8,455E+04 (A) 3,380E+05 (A)		(-) 4,250E+05 (A)		
		II	139.579 153.852	n.b. n.b.	1,4	n.b. n.b.	8,7	n.b. n.b.	9,0	n.b. n.b.	7,5	
				(-) -	*< 50.000 < 86,97 < 87,30	6,634E+05 (A)	0,059 ± 0,012	1,986E+05 (A)	0,231 ± 0,036	(-) (-)	0,016 ± 0,004	
P2_XII	211,4	I	179.128	(-) (-) 3,142E+04 (A)	-	(-) 5,935E+05 (A)	2,9	8,080E+04 (A) 1,270E+05 (A)	3,4	(-) 1,166E+05 (A)	2,1	
				(-) -	0,8	(-) 6,331E+05 (A)		5,648E+04 (A) 1,168E+05 (A)		(-) 1,414E+05 (A)		
		II	139.579 153.852	n.b. n.b.	0,8	n.b. n.b.	3,1	n.b. n.b.	3,1	n.b. n.b.	2,5	
				(-) -	*< 50.000 - < 150,49	(-) (-)	0,020 ± 0,004	(-) (-)	3,842 ± 0,524 0,071 ± 0,005	7,102E+04 (A) -	0,004 ± 0,001	
P3_XII	351,3	I	179.128	(-) 2,019E+06 (A)	50,1	4,557E+05 (A) 1,774E+07 (A)	88,0	1,141E+06 (A) 3,667E+06 (A)	97,6	1,243E+05 (A) 4,637E+06 (A)	82,0	
				(-) 1,819E+06 (A)		4,212E+05 (A) 1,685E+07 (A)		1,033E+06 (A) 3,065E+06 (A)		1,979E+05 (A) 4,508E+06 (A)		
		II	139.579 153.852	n.b. n.b.	45,1	n.b. n.b.	83,6	n.b. n.b.	81,6	n.b. n.b.	79,7	
				(-) -	*< 50.000 < 1,41 < 1,56	6,717E+06 (A)	0,562 ± 0,114	4,750E+05 (A) 1,655E+06 (A)	1,962 ± 0,201	(-) 1,226E+06 (A)	0,151 ± 0,034	

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d ₄	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d ₄
				Qualifier (430_286) -	Gehalt 16-α-HO-E1 pmol/g Gewebe	Qualifier (372_357) (376_361)	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2
Frau 7 (Patientencode 19832)											
P1_VII	212,4	I	179.128	(-)	55,3	3,318E+05 (A)	66,2	9,257E+05 (A)	86,3	1,329E+05 (A)	66,0
				(-)		1,334E+07 (A)		3,244E+06 (A)		3,732E+06 (A)	
		II	139.579 153.852	1,456E+06 (A)	36,1	2,435E+05 (A)	57,0	9,663E+05 (A)	67,4	1,186E+05 (A)	60,9
				n.b.		1,150E+07 (A)		2,534E+06 (A)		3,440E+06 (A)	
				(-)	* < 25.000	n.b.	0,404 ± 0,087	n.b.	0,412 ± 0,036	n.b.	0,118 ± 0,027
				(-)	< 1,05	(-)		4,347E+06 (A)		3,984E+05 (A)	
				-	< 1,62	0,818 ± 0,066		1,366E+06 (A)		0,181 ± 0,003	
P2_VII	212,5	I	179.128	(-)	-	4,505E+05 (A)	2,2	8,941E+04 (A)	2,4	1,277E+05 (A)	2,6
				(-)		3,900E+05 (A)		3,545E+04 (A)		8,393E+04 (A)	
		II	139.579 153.852	n.b.	0,61	n.b.	1,9	n.b.	0,9	n.b.	1,5
				n.b.		1,480E+05 (A)		(-)		(-)	
				(-)	* < 25.000	-	0,014 ± 0,003	(-)	0,036 ± 0,027	(-)	0,003 ± 0,001
				(-)	-	(-)		(-)			
				-	< 96,04	-		(-)		-	
P3_VII	352,4	I	179.128	(-)	16,6	1,371E+05 (A)	21,6	2,579E+05 (A)	17,5	(-)	19,5
				(-)		4,360E+06 (A)		6,569E+05 (A)		1,102E+06 (A)	
		II	139.579 153.852	5,374E+05 (A)	13,3	1,201E+05 (A)	18,1	2,031E+05 (A)	20,1	7,563E+05 (A)	18,3
				n.b.		n.b.		n.b.		n.b.	
				(-)		(-)	1,893E+06 (A)	(-)	3,694E+05 (A)	(-)	3,727E+05 (A)
				(-)		(-)		(-)			

					* < 25.000 < 2,12 < 2,64	1,145 ± 0,027	0,130 ± 0,028	2,268 ± 0,426	1,684 ± 0,223	-	0,035 ± 0,008
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Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -	Gehalt 16-α-HO-E1 pmol/g Gewebe	Qualifier (372_357) (376_361)	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2

Frau 19 (Patientencode W002)											
P1_XIX	202,9	I	183.054	(-)	0,9	(-)	3,8	(-)	3,8	(-)	3,5
				1,150E+05 (A)		9,780E+05 (A)		2,087E+05 (A)		2,666E+05 (A)	
		II	134.102 134.289	(-)	-	(-)	2,4	(-)	2,8	(-)	2,5
				n.b.		n.b.		n.b.		n.b.	
				(-)	* < 25.000 < 21,41	(-)	0,024 ± 0,006	(-)	0,080 ± 0,016	(-)	* < 100.000 < 9,57 < 13,43
				-	-	-	-	-	-	-	-
P2_XIX	206,2	I	183.054	(-)	0,3	(-)	0,9	(-)	1,7	(-)	1,4
				3,336E+04 (A)		2,252E+05 (A)		9,454E+04 (A)		1,057E+05 (A)	
		II	134.102 134.289	(-)	-	(-)	1,0	(-)	1,0	(-)	0,6
				x		2,655E+05 (A)		5,383E+04 (A)		4,361E+04 (A)	
				n.b.	* < 25.000 < 72,65	n.b.	0,007 ± 0,001	n.b.	0,033 ± 0,010	n.b.	* < 100.000 < 23,75 < 57,55
				(-)	-	(-)	-	(-)	-	(-)	-
P3_XIX	413,1	I	183.054	(-)	0,6	(-)	1,6	(-)	1,1	(-)	1,1
				7,566E+04 (A)		4,238E+05 (A)		6,420E+04 (A)		8,790E+04 (A)	
		II	134.102 134.289	(-)	-	(-)	1,3	(-)	2,0	(-)	1,0
				(-)		3,384E+05 (A)		1,119E+05 (A)		8,547E+04 (A)	
				n.b.		n.b.		n.b.		n.b.	
				(-)		(-)		(-)		(-)	

				-		1,409E+05 (A)		(-)		(-)	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
				Geräte- standard (1 pg E2/Säule)	Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
					* < 25.000 < 15,99 -	-	0,012 ± 0,002	-	0,039 ± 0,012	* < 100.000 < 14,25 < 14,66	0,002 ± 0,0001

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
				Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 29 (Patientencode W005)											
P1_XXIX	203,2	I	219.792	(-)	0,7	1,282E+05 (A)	25,2	3,883E+05 (A)	25,3	(-)	21,8
				4,769E+04 (A)		4,737E+06 (A)		9,920E+05 (A)		1,384E+06 (A)	
		II	202.605 149.125	(-)	0,3	1,246E+05 (A)	21,6	2,809E+05 (A)	19,0	(-)	19,0
				2,369E+04 (A)		4,067E+06 (A)		7,460E+05 (A)		1,207E+06 (A)	
				n.b.		n.b.		n.b.			
				(-)		(-)		2,289E+05 (A)		(-)	
				-		1,398E+06 (A)		4,933E+05 (A)		3,460E+05 (A)	
				/	* < 50.000 < 103,14 < 207,62	1,025 ± 0,064	0,151 ± 0,037	2,635 ± 0,051	0,516 ± 0,097	-	0,033 ± 0,009
P2_XXIX	210,7	I	219.792	(-)	22,4	2,194E+05 (A)	52,7	7,313E+05 (A)	51,8	1,078E+05 (A)	47,6
				1,610E+06 (A)		9,901E+06 (A)		2,032E+06 (A)		3,023E+06 (A)	
		II	202.605 149.125	(-)	21,3	2,251E+05 (A)	46,0	5,494E+05 (A)	43,4	(-)	42,3
				1,530E+06 (A)		8,640E+06 (A)		1,781E+06 (A)		2,687E+06 (A)	
				n.b.		n.b.		n.b.			
				(-)		(-)		3,712E+05 (A)		(-)	
				-		3,683E+06 (A)		9,138E+05 (A)		6,799E+05 (A)	
				/	* < 50.000 < 2,95 < 3,10	0,857 ± 0,069	0,319 ± 0,077	2,293 ± 0,176	1,132 ± 0,159	0,210 ± 0,026	0,073 ± 0,019
P3_XXIX	406,1	I	219.792	(-)	1,5	1,382E+05 (A)	29,5	3,344E+05 (A)	26,2	5,806E+04 (A)	24,7
				1,083E+05 (A)		5,534E+06 (A)		1,030E+06 (A)		1,568E+06 (A)	
				(-)		1,032E+05 (A)		3,180E+05 (A)		4,429E+04 (A)	
				9,926E+04 (A)	1,4	4,448E+06 (A)	23,7	9,445E+05 (A)	24,1	1,508E+06 (A)	23,7
				n.b.				n.b.			
				n.b.		n.b.		n.b.		n.b.	

				(-) -		(-) 2,013E+06 (A)		(-) 6,635E+05 (A)		(-) 4,774E+05 (A)		
				/	*< 50.000 < 22,74 < 24,80	0,856 ± 0,031	0,171 ± 0,044	2,269 ± 0,041	0,587 ± 0,077	0,172 ± 0,020	0,039 ± 0,010	
				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1		
Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4	
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		
				/	Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 25 (Patientencode 3363)												
P1_XXV	204,8	I	183.054	(-) 1,763E+06 (A)	13,7	2,128E+05 (A) 7,289E+06 (A)	28,3	6,581E+05 (A) 1,572E+06 (A)	28,7	1,166E+05 (A) 1,834E+06 (A)	23,7	
				(-) 1,428E+06 (A)		1,949E+05 (A) 5,924E+06 (A)		4,472E+05 (A) 1,293E+06 (A)		4,489E+04 (A) 1,694E+06 (A)		
		II	134.102 134.289	n.b. n.b.	11,1	n.b. n.b.	23,0	n.b. n.b.	23,6	n.b. n.b.	21,9	
				(-) -	*< 50.000 < 2,77 < 3,42	2,421E+06 (A)	0,201 ± 0,301	2,935E+05 (A) 7,843E+05 (A)	0,633 ± 0,103	4,096E+05 (A)	0,233 ± 0,096 0,045 ± 0,004	
P2_XXV	208,2	I	183.054	(-) 2,384E+06 (A)	18,6	1,611E+05 (A) 5,243E+06 (A)	20,4	3,400E+05 (A) 1,200E+06 (A)	21,9	7,415E+04 (A) 1,464E+06 (A)	18,9	
				(-) 2,245E+06 (A)		1,011E+05 (A) 4,460E+06 (A)		3,877E+05 (A) 1,005E+06 (A)		2,635E+04 (A) 1,295E+06 (A)		
		II	134.102 134.289	n.b. n.b.	17,5	n.b. n.b.	17,3	n.b. n.b.	18,4	n.b. n.b.	16,8	
				(-) -	*< 50.000 < 2,01 < 2,14	1,837E+06 (A)	0,148 ± 0,199	2,304E+05 (A) 5,436E+05 (A)	0,487 ± 0,077	3,513E+05 (A)	0,264 ± 0,159 0,035 ± 0,003	
P3_XXV	403,9	I	183.054	(-) 5,226E+04 (A)	0,4	2,829E+05 (A) 9,765E+06 (A)	37,9	7,654E+05 (A) 1,695E+06 (A)	31,0	7,790E+04 (M) 2,557E+06 (A)	33,1	
				(-) 4,346E+05 (A)		2,158E+05 (A) 7,546E+06 (A)		6,405E+05 (A) 1,722E+06 (A)		9,245E+04 (A) 2,229E+06 (A)		
				n.b. n.b.		0,3		n.b. n.b.		29,3		n.b. n.b.

		II	134.289	(-) -		(-) 2,959E+06 (A)		3,141E+05 (A) 8,360E+05 (A)		(-) 6,386E+05 (A)	
				/	*< 50.000 < 47,35 < 56,95	1,023 ± 0,007	0,263 ± 0,044	2,826 ± 0,273	0,755 ± 0,099	0,186 ± 0,028	0,061 ± 0,006

Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -	Gehalt 16-α-HO-E1 pmol/g Gewebe	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2

Frau 17

P1_XVII	206,5	I	173.427	(-) 4,317E+05 (A)	5,9	2,002E+05 (A) 1,024E+07 (A)		6,224E+05 (A) 2,196E+06 (A)		8,181E+04 (A) 2,359E+06 (A)	
				(-) 3,943E+05 (A)		2,225E+05 (A) 9,481E+06 (A)	39,4	7,500E+05 (A) 2,035E+06 (A)	36,1	8,993E+04 (A) 2,281E+06 (A)	26,3
		II	189.185 198.036	n.b. n.b.	5,4	n.b. n.b.	36,5	n.b. n.b.	33,5	n.b. n.b.	25,4
				(-) -	*< 50.000 < 11,21 < 12,27	3,562E+06 (A)	0,287 ± 0,036	2,944E+05 (A) 1,079E+06 (A)	0,803 ± 0,068	(-) 6,078E+05 (A)	0,192 ± 0,012 0,026 ± 0,008
P2_XVII	212,2	I	173.427	(-) 1,372E+06 (A)	18,8	2,644E+05 (A) 8,642E+06 (A)		6,066E+05 (A) 1,647E+06 (A)		6,699E+04 (A) 2,355E+06 (A)	
				(-) 1,091E+06 (A)		1,653E+05 (A) 8,267E+06 (A)	33,3	5,032E+05 (A) 1,516E+06 (A)	27,1	7,025E+04 (A) 1,824E+06 (A)	26,3
		II	189.185 198.036	n.b. n.b.	15,0	n.b. n.b.	31,8	n.b. n.b.	24,9	n.b. n.b.	20,3
				(-) -	*< 50.000 < 3,43 < 4,32	2,966E+06 (A)	0,246 ± 0,030	(-) 2,329E+05 (A) 8,341E+05 (A)	0,600 ± 0,52	(-) 6,192E+05 (A)	0,173 ± 0,026 0,024 ± 0,008
P3_XVII	403,1	I	173.427	(-) 1,049E+06 (A)	14,4	3,133E+05 (A) 1,495E+07 (A)		8,201E+05 (A) 2,565E+06 (A)		1,376E+05 (A) 3,274E+06 (A)	
				(-) 6,908E+05 (A)		2,226E+05 (A) 1,230E+07 (A)	57,6	7,951E+05 (A) 2,438E+06 (A)	42,2	1,557E+05 (A) 3,326E+06 (A)	36,5
				n.b.	9,5	n.b.	47,4	n.b.	40,1	n.b.	37,1

		II	189.185 198.036	n.b. (-) -		n.b. (-) 4,469E+06 (A)		n.b. 4,709E+05 (A) 1,293E+06 (A)		n.b. (-) 8,853E+05 (A)	
				/	*< 50.000 < 2,36 < 3,59	0,694 ± 0,051	0,397 ± 0,061	2,216 ± 0,022	0,949 ± 0,076	0,230 ± 0,012	0,037 ± 0,011

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1		
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4	
				Qualifier (430_286) -	Gehalt 16-α-HO-E1 pmol/g Gewebe	Qualifier (372_357) (376_361)	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Quantifier (372_357) (376_361)	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Quantifier (372_357) (376_361)	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 13 (Patientencode 22554)												
P1_XVII	210,3	I	173.427	(-) 7,250E+04 (A)	1,0	4,400E+04 (A) 1,582E+06 (A)		1,183E+05 (A) 2,862E+05 (A)		(-) 4,148E+05 (A)		
				(-) 2,321E+04 (A)	0,3	3,768E+04 (A) 1,509E+06 (A)	6,1	7,739E+04 (A) 4,252E+05 (A)	4,7	2,409E+04 (A) 4,298E+05 (A)	4,6	
		II	189.185 198.036	n.b. n.b. (-) -		n.b. n.b. (-) 6,943E+05 (A)	5,8	n.b. n.b. (-) 1,822E+05 (A)	7,0	n.b. n.b. (-) (-)	4,8	
				/	*< 50.000 < 65,56 < 204,75	0,938 ± 0,051	0,045 ± 0,006	2,043 ± 0,794	0,134 ± 0,028	0,290	0,005 ± 0,001	
P2_XVII	216,9	I	173.427	(-) 1,593E+05 (A)	2,2	6,798E+04 (A) 4,248E+06 (A)	16,4	2,935E+05 (A) 7,373E+05 (A)	12,1	4,014E+04 (A) 8,567E+05 (A)	9,6	
				(-) (-)	-	8,747E+04 (A) 3,652E+06 (A)	14,1	2,323E+05 (A) 7,841E+05 (A)	12,9	7,014E+04 (A) 7,713E+05 (A)	8,6	
		II	189.185 198.036	n.b. n.b. (-) -		n.b. n.b. (-) (-)		n.b. n.b. (-) 3,763E+05 (A)		n.b. n.b. (-) x		
				/	*< 50.000 < 28,92 -	0,710 ± 0,141	0,115 ± 0,016	2,383 ± 0,349	0,289 ± 0,024	0,357 ± 0,114	0,009 ± 0,003	
P3_XVII	401,7	I	173.427	(-) (-) (-) (-)	-	(-) 1,562E+06 (A) 4,755E+04 (A) 1,466E+06 (A)	6,0	1,076E+05 (A) 2,928E+05 (A) 1,437E+05 (A) 3,370E+05 (A)	4,8	(-) 4,638E+05 (A) (-) 3,692E+05 (A)	5,2	

		II	189.185 198.036	n.b. n.b. (-) -	-	n.b. n.b. (-) 5,430E+05 (A)	5,6	n.b. n.b. (-) 2,091E+05 (A)	5,5	n.b. n.b. (-) (-)	4,1
				/	*< 50.000 - -	1,153	0,044 ± 0,005	2,724 ± 0,202	0,119 ± 0,012	-	0,005 ± 0,002

Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
				Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -	Gehalt 16-α-HO-E1 pmol/g Gewebe	Qualifier (372_357) (376_361)	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Qualifier (372_357) (376_361)	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2

Frau 14 (Patientencode 546)

P1_XIV	206,3	I	230.429	(-) 1,566E+05 (A)	3,6	1,237E+05 (A) 6,843E+06 (A)	36,8	4,228E+05 (A) 1,674E+06 (A)	44,5	5,877E+04 (A) 1,932E+06 (A)	32,9
				(-) x	3,2	1,057E+05 (A) 5,578E+06 (A)		4,285E+05 (A) 1,422E+06 (A)		4,438E+04 (A) 1,572E+06 (A)	
		II	149.323 197.157	n.b. n.b. (-) 1,387E+05 (A)	3,2	n.b. n.b. (-) 2,439E+06 (A)	30,0	n.b. n.b. (-) 7,222E+05 (A)	37,8	n.b. n.b. (-) 4,709E+05 (A)	26,8
				/	*< 25.000 < 15,47 < 17,47	0,658 ± 0,015	0,258 ± 0,060	1,901 ± 0,167	0,873 ± 0,173	0,152 ± 0,006	0,042 ± 0,009
P2_XIV	212,6	I	230.429	(-) 2,770E+04 (A)	0,6	7,739E+04 (A) 6,515E+06 (A)	35,0	4,665E+05 (A) 1,356E+06 (A)	36,0	9,985E+04 (A) 1,850E+06 (A)	31,5
				(-) (-)	0,6	1,065E+05 (A) 5,680E+06 (A)		3,948E+05 (A) 1,157E+06 (A)		3,489E+04 (A) 1,641E+06 (A)	
		II	149.323 197.157	n.b. n.b. (-) 2,689E+04 (A)	0,6	n.b. n.b. (-) 2,086E+06 (A)	30,5	n.b. n.b. (-) 2,562E+05 (A)	30,8	n.b. n.b. (-) 3,817E+05 (A)	27,9
				/	*< 25.000 < 84,86 < 87,43	0,544 ± 0,122	0,254 ± 0,056	2,351 ± 0,010	0,709 ± 0,139	0,195 ± 0,085	0,042 ± 0,009
P3_XIV	409,6	I	230.429	(-) 5,705E+04 (A) (-)	1,3	(-) 4,645E+06 (A) (-)	25,0	4,961E+05 (A) 1,284E+06 (A) 4,060E+05 (A)	34,1	(-) 1,271E+06 (A) (-)	21,6

		II	149.323 197.157	(-) n.b. n.b. (-) 3,754E+04 (A)	0,9	3,926E+06 (A) n.b. n.b. (-) 1,241E+06 (A)	21,1	1,052E+06 (A) n.b. n.b. (-) 6,297E+05 (A)	28,0	1,372E+06 (A) n.b. n.b. (-) (-)	23,4
					* < 25.000 < 21,34 < 32,51	-	0,178 ± 0,040	2,650 ± 0,002	0,659 ± 0,118	-	0,032 ± 0,006
				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
Frau 16 (Patientencode 22727)											
P1_XVI	204,6	I	230.429	(-) 1,796E+06 (A)	41,7	1,928E+05 (A) 9,687E+06 (A) 2,385E+05 (A) 8,886E+06 (A)	52,1	7,135E+05 (A) 2,178E+06 (A) 7,277E+05 (A) 1,754E+06 (A)	57,9	1,694E+05 (A) 9,687E+06 (A) 6,616E+04 (A) 2,338E+06 (A)	50,9
				n.b. n.b. (-) -	35,1	n.b. n.b. (-) 3,293E+06 (A)	47,8	n.b. n.b. (-) 9,885E+05 (A)	46,6	n.b. n.b. (-) 6,228E+05 (A)	39,8
		II	149.323 197.157		* < 25.000 < 1,36 < 1,61	0,831 ± 0,123	0,386 ± 0,082	2,547 ± 0,300	1,109 ± 0,233	0,220 ± 0,073	0,064 ± 0,093
P2_XVI	205,2	I	230.429	(-) 1,315E+06 (A)	30,5	3,130E+05 (A) 1,140E+07 (A) 3,071E+05 (A) 9,279E+06 (A)	61,3	9,128E+05 (A) 2,515E+06 (A) 6,097E+05 (A) 2,131E+06 (A)	66,8	1,265E+05 (A) 2,935E+06 (A) 7,693E+04 (A) 2,832E+06 (A)	50,0
				n.b. n.b. (-) -	20,8	n.b. n.b. (-) 4,220E+06 (A)	49,9	n.b. n.b. (-) 9,852E+05 (A)	56,6	n.b. n.b. (-) 8,760E+05 (A)	48,2
		II	149.323 197.157		* < 25.000 < 1,85 < 2,71	1,076 ± 0,100	0,430 ± 0,100	2,227 ± 0,0264	1,310 ± 0,260	0,182 ± 0,041	0,069 ± 0,014
P3_XVI	418,2	I	230.429	(-) 4,936E+05 (A) (-)	11,5	3,152E+05 (A) 7,338E+06 (A) 2,526E+05 (A)	39,4	4,232E+05 (A) 1,337E+06 (A) 3,530E+05 (A)	35,5	8,246E+04 (A) 1,958E+06 (A) 3,447E+04 (A)	33,3

		II	149.323 197.157	3,923E+05 (A) n.b. n.b. (-) -	9,1	6,211E+06 (A) n.b. n.b. (-) 2,328E+06 (A)	33,4	1,214E+06 (A) n.b. n.b. 2,900E+05 (A) 6,072E+05 (A)	32,3	1,577E+06 (A) n.b. n.b. (-) 4,041E+05 (A)	26,8	
					* < 25.000 < 2,42 < 3,05	1,486 ± 0,804	0,282 ± 0,063	2,084 ± 0,088	0,719 ± 0,113	0,166 ± 0,052	0,043 ± 0,010	
				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1		
Probennummer	Einwaage (mg)	Messung	Geräte- standard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	Quantifier (372_342) (376_346)	WFR (%)	
				Qualifier (430_286) -	16-α-HO-E1-d4	Qualifier (372_357) (376_361)	2-MeO-E1-d4	Qualifier (372_357) (376_361)	4-MeO-E1-d4	Qualifier (372_357) (376_361)	3-O-Me-2-HO-E1-d4	
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	
Frau 8 (Patientencode 22270)												
P1_VIII	219,8	I	197.434	(-) 3,535E+05 (A)	14,4	7,398E+04 (A) 2,248E+06 (A) 2,950E+04 (A)	12,7	2,174E+05 (A) 5,469E+05 (A) 1,737E+05 (A)	15,3	3,753E+04 (A) 7,360E+05 (A)	11,2	
				2,798E+05 (A)		1,805E+06 (A)		4,805E+05 (A)				6,147E+05 (A)
		II	135.728 143.180	n.b. n.b. (-) -	11,4	n.b. n.b. (-) -	10,2	n.b. n.b. (-) -	13,5	n.b. n.b. (-) -	n.b. n.b. (-) -	9,4
					* < 25.000 < 6,43 < 8,13	0,875 ± 0,294	0,087 ± 0,016	2,605 ± 0,123	0,297 ± 0,040	0,264	0,018 ± 0,002	
P2_VIII	210,6	I	197.434	(-) 8,715E+05 (A)	35,6	3,805E+04 (A) 2,936E+06 (A) 6,264E+04 (A)	16,5	2,333E+05 (A) 8,380E+05 (A) 2,641E+05 (A)	23,5	(-) 1,075E+06 (A)	16,4	
				6,240E+05 (A)		2,891E+06 (A)		6,795E+05 (A)				8,160E+05 (A)
		II	135.728 143.180	n.b. n.b. (-) -	25,5	n.b. n.b. (-) -	16,3	n.b. n.b. (-) -	19,0	n.b. n.b. (-) -	n.b. n.b. (-) x	12,4
					* < 25.000 < 2,72 < 3,80	0,615 ± 0,155	0,124 ± 0,018	2,289 ± 0,378	0,439 ± 0,069	-	0,025 ± 0,004	
P3_VIII	413,7	I	197.434	(-) 1,232E+06 (A) (-)	50,3	2,044E+05 (A) 8,335E+06 (A) 1,395E+05 (A)	46,9	6,394E+05 (A) 1,896E+06 (A) 4,396E+05 (A)	53,1	7,620E+04 (A) 1,075E+06 (A) 9,976E+04 (A)	34,9	

		II	135.728 143.180	7,484E+05 (A) n.b. n.b. (-) -	30,6	7,408E+06 (A) n.b. 9,576E+04 (M) 2,026E+06 (A)	41,7	1,496E+06 (A) n.b. n.b. 1,564E+05 (A) 4,978E+05 (A)	41,9	8,160E+05 (A) n.b. n.b. (-) 1,589E+05 (M)	29,6
					* < 25.000 < 1,39 < 1,94	0,770 ± 0,537	0,336 ± 0,053	2,165 ± 0,149	0,981 ± 0,163	0,219 ± 0,047	0,055 ± 0,006
				16-α-HO-E1		2-MeO-E1		4-MeO-E1		3-O-Me-2-HO-E1	
Probennummer	Einwaage (mg)	Messung	Gerätestandard (1 pg E2/Säule)	Quantifier (430_286) (434_286)	WFR (%) 16-α-HO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 2-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 4-MeO-E1-d4	Quantifier (372_342) (376_346)	WFR (%) 3-O-Me-2-HO-E1-d4
				Qualifier (430_286) -		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)		Qualifier (372_357) (376_361)	
					Gehalt 16-α-HO-E1 pmol/g Gewebe	Gesamtgehalt 2-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 2-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 4-MeO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 4-MeO-E1 pmol/Ansatz MW ± Range/2	Gesamtgehalt 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2	Verunreinigung aus Referenz 3-O-Me-2-HO-E1 pmol/Ansatz MW ± Range/2
Frau 8 (P4/P5/P6; Patientencode 22270)											
P1_VIII	205,6	I	219.792	(-) 2,352E+06 (A)	32,7	5,895E+04 (A) 4,909E+06 (A)	26,1	3,438E+05 (A) 1,243E+06 (A)	31,7	9,289E+04 (A) 1,684E+06 (A)	26,5
				(-) 1,822E+06 (A)		1,015E+05 (A) 4,420E+06 (A)		3,865E+05 (A) 8,559E+05 (A)		6,872E+04 (A) 1,367E+06 (A)	
		II	202.605 149.125	n.b. n.b. (-) -	25,3	n.b. n.b. (-) 2,004E+06 (A)	23,5	n.b. n.b. (-) 4,798E+05 (A)	21,8	n.b. n.b. (-) 3,395E+05 (A)	21,5
					* < 25.000 < 1,033 < 1,33	0,621 ± 0,195	0,160 ± 0,038	2,499 ± 0,601	0,623 ± 0,139	0,273 ± 0,013	0,039 ± 0,011
P2_VIII	209,5	I	219.792	(-) 8,333E+05 (A)	11,6	1,465E+05 (A) 4,255E+06 (A)	22,6	2,812E+05 (A) 9,031E+05 (A)	23,0	7,006E+04 (A) 1,202E+06 (A)	18,9
				(-) 3,934E+05 (A)		6,862E+04 (A) 3,259E+06 (A)		1,990E+05 (A) 7,356E+05 (A)		2,002E+04 (A) 1,040E+06 (A)	
		II	202.605 149.125	n.b. n.b. (-) -	5,5	n.b. n.b. (-) 1,218E+06 (A)	17,3	n.b. n.b. (-) 3,503E+05 (A)	18,7	n.b. n.b. (-) 2,793E+05 (A)	16,4
					* < 25.000 < 2,86 < 6,06	0,986 ± 0,238	0,129 ± 0,034	1,997 ± 0,140	0,487 ± 0,078	0,201 ± 0,101	0,029 ± 0,008
P3_VIII	411,1	I	219.792	(-) 3,156E+05 (A) (-)	4,4	1,350E+05 (A) 6,719E+06 (A) 1,069E+05 (A)	35,7	4,468E+05 (A) 1,440E+06 (A) 3,580E+05 (A)	36,7	8,343E+04 (A) 1,846E+06 (A) 9,408E+04 (A)	29,1

		II	202.605 149.125	5,816E+04 (A) n.b. n.b. (-) -	0,8	5,643E+06 (A) n.b. n.b. (-) 2,241E+06 (A)	30,0	1,085E+06 (A) n.b. n.b. 2,449E+05 (A) 5,280E+05 (A)	27,6	1,671E+06 (A) n.b. n.b. (-) 3,818E+05 (A)	26,3
					* < 25.000 < 3,85 < 20,90	0,694 ± 0,020	0,212 ± 0,052	2,197 ± 0,067	0,750 ± 0,141	0,263 ± 0,029	0,045 ± 0,012

