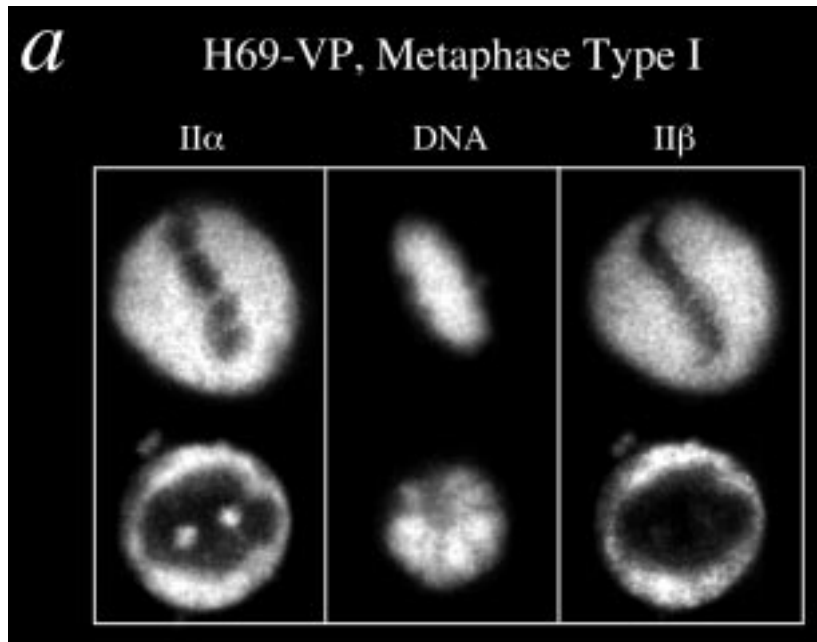


## Figure 4a

Metaphases imaged at high resolution ( x 1000 magnification).



The two examples of type I metaphase are representative for 80 % of the metaphase figures observed in H69-VP cells, which were brought into accelerated growth by increased serum supplementation (20%) and subsequently blocked 0.26  $\mu$ M demecolcine. Each line shows images of the same cells, which is triple stained for topoisomerase II $\alpha$  (left), DNA (middle), and topoisomerase II $\beta$  (right).