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## Effect of Estradiol and Ethynylestradiol on Microtubule Distribution in Chinese Hamster V79 Cells\*

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The effects of estradiol ( $E_2$ ) and ethynylestradiol ( $EE_2$ ) on the chromosome number and cellular microtubule architecture of Chinese hamster V79 cells were studied using fluorescent anti-tubulin antibody. Treatment with 20 mM  $E_2$  for 48 h induced only a small amount of tetraploid cells, but the normal microtubule network was disrupted completely by only 3 h of treatment.

This data reveals that  $E_2$  has higher microtubule disruptive activity than diethylstilbestrol in V79 cells.

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