

図-1 生存曲線

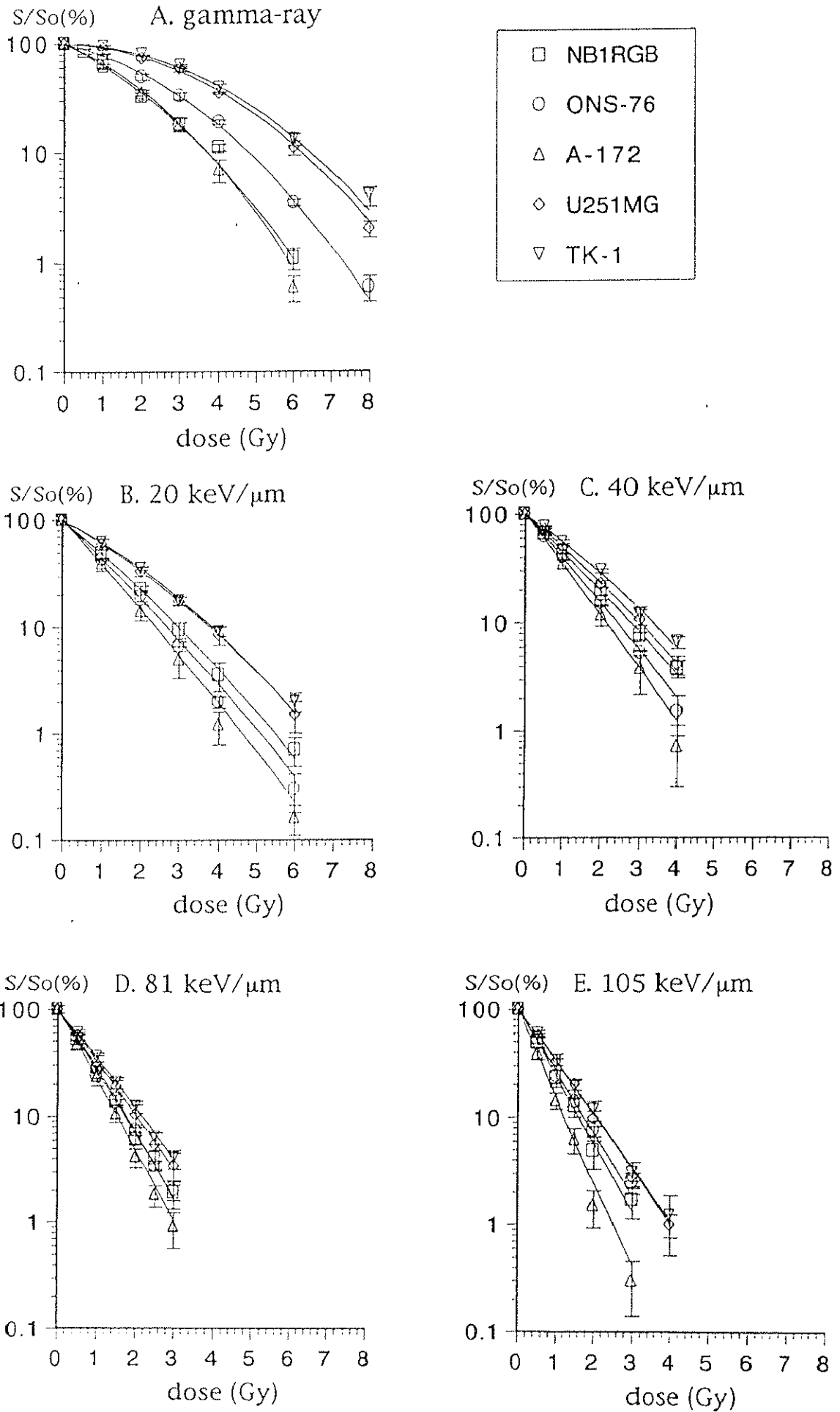


図-2 RBEと α/β

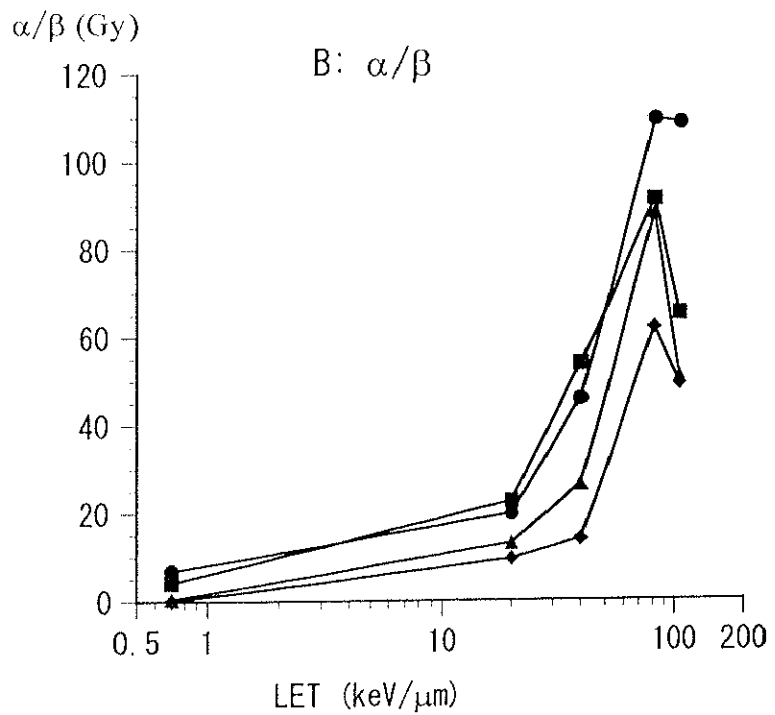
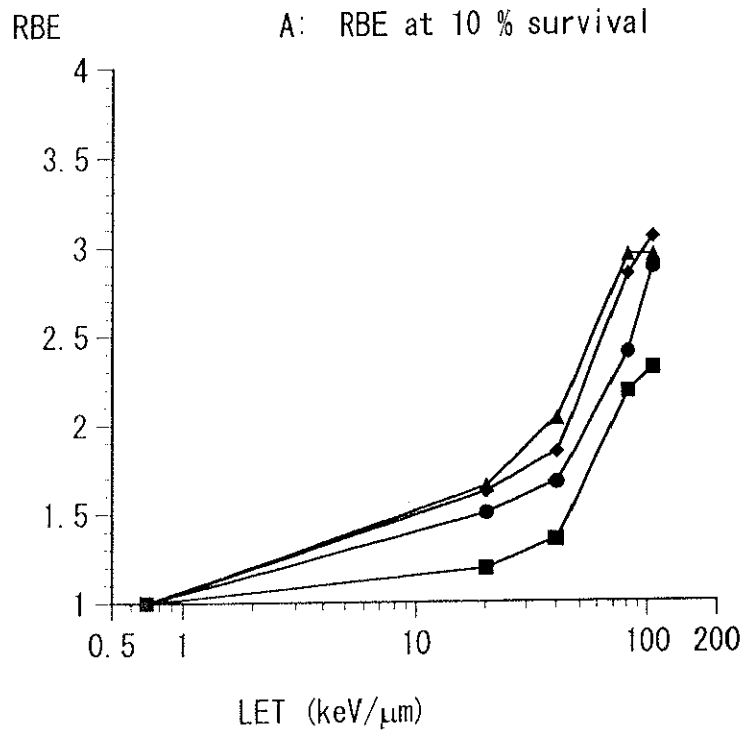
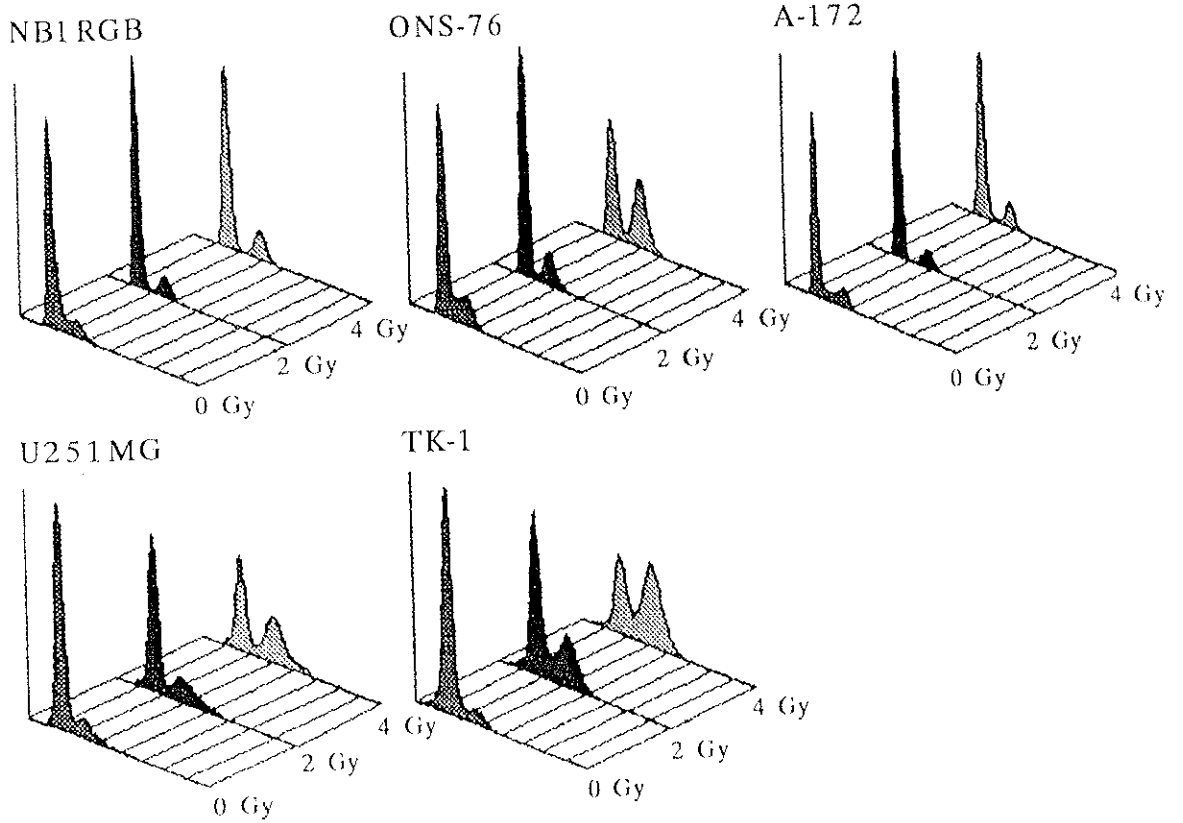
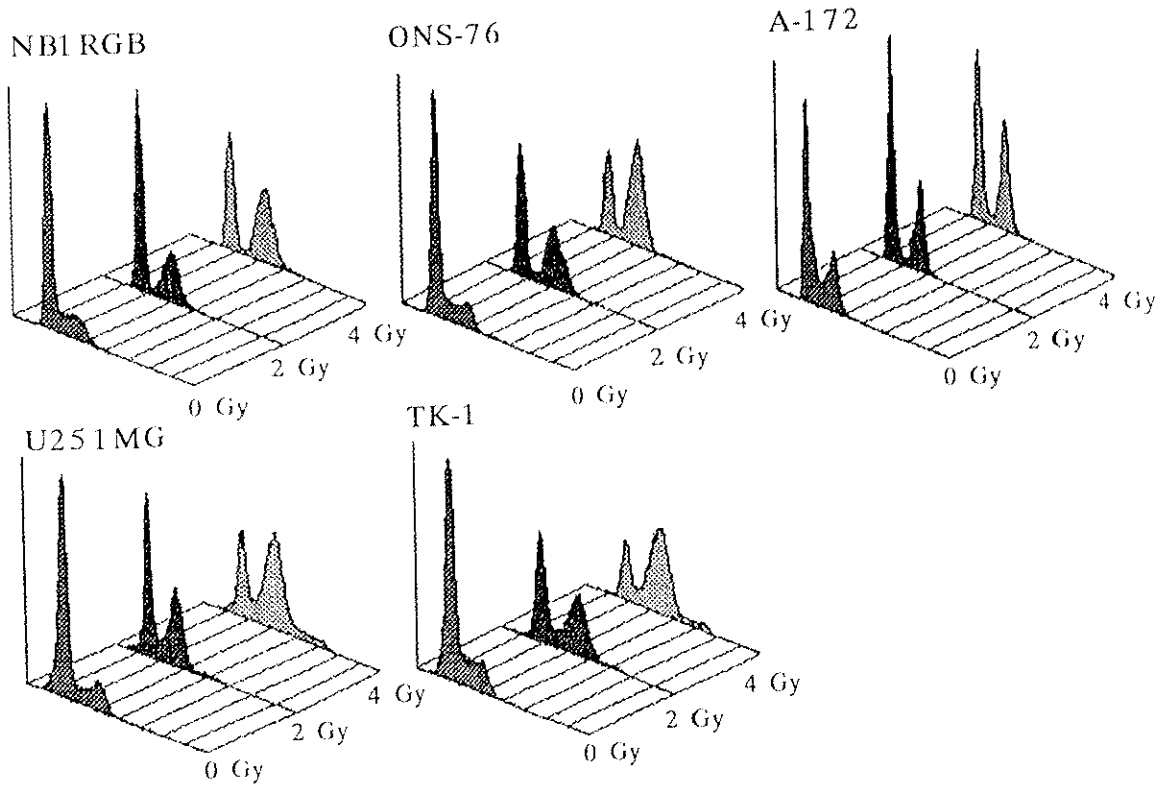


図-3 細胞周期の変化

A. gamma-ray

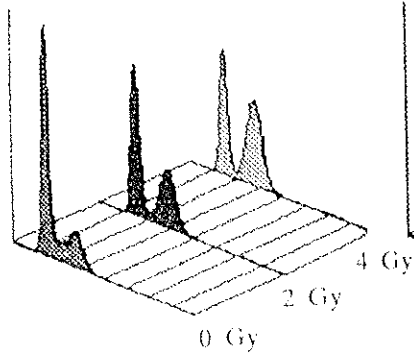


B. 20 keV/ μm

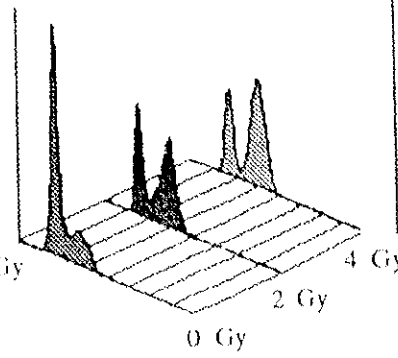


C. 40 keV/ μm

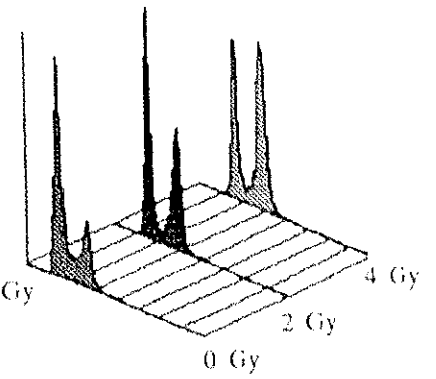
NBI RGB



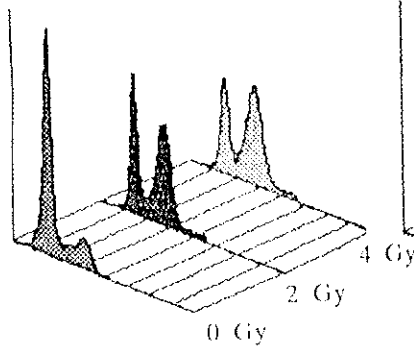
ONS-76



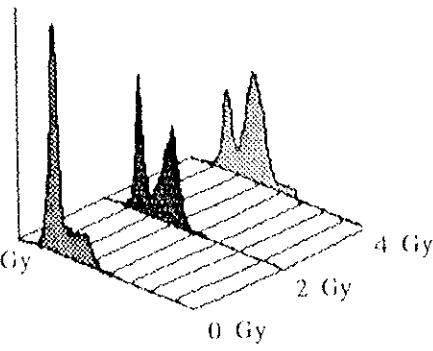
A-172



U251MG

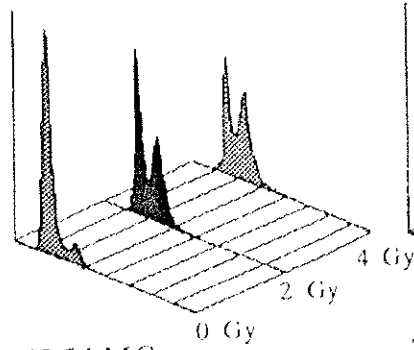


TK-1

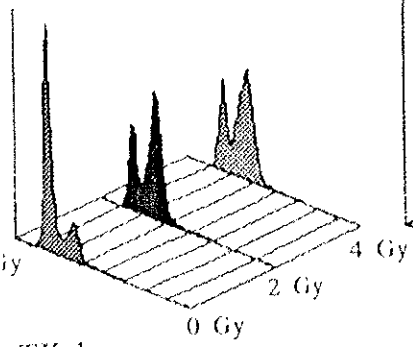


D. 81 keV/ μm

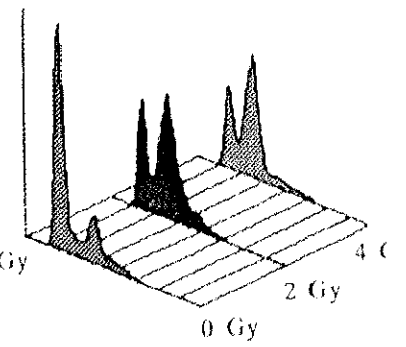
NBI RGB



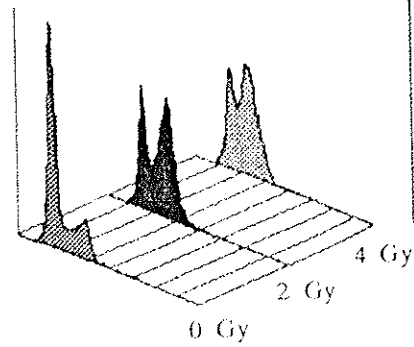
ONS-76



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U251MG



TK-1

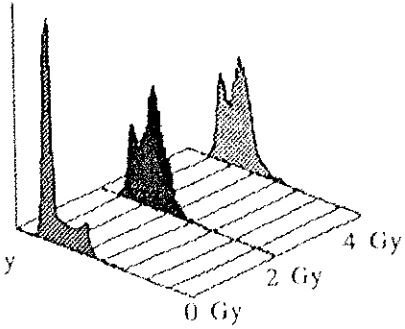
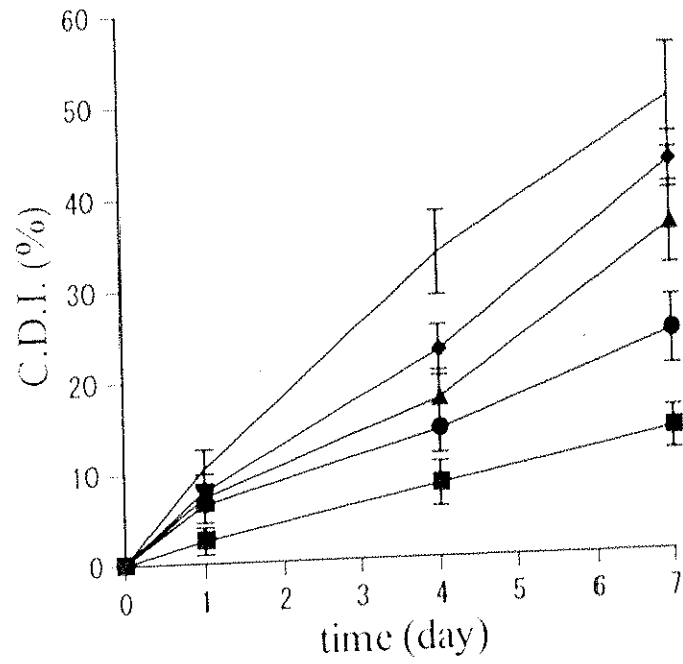
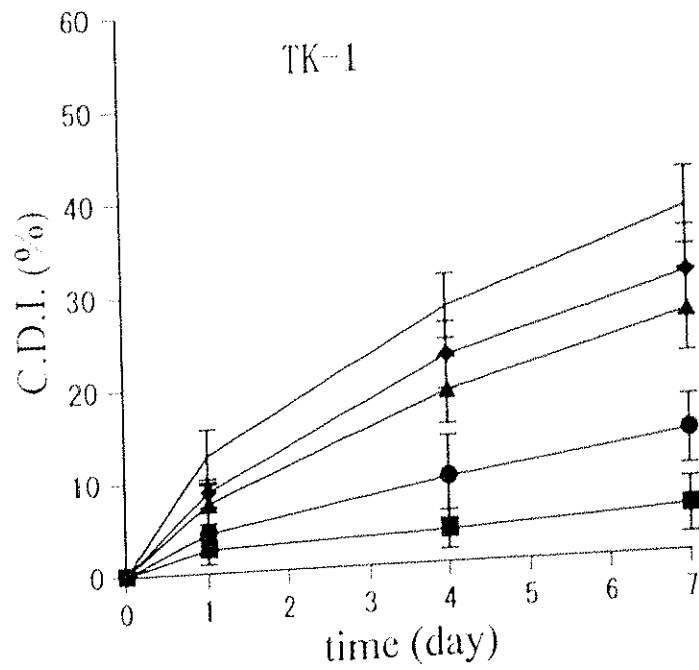


図-4 色素排除法によるCDIの変化

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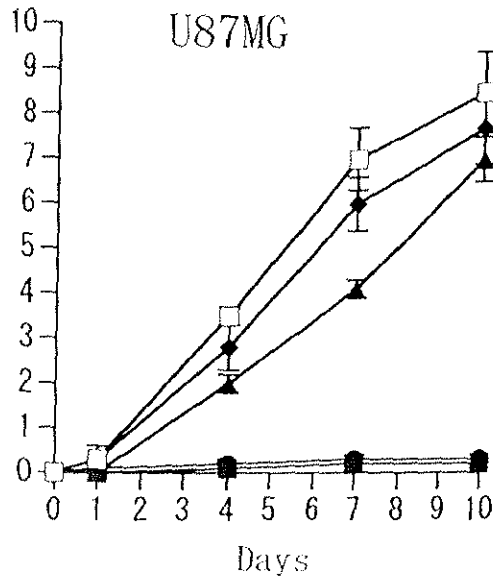


TK-1

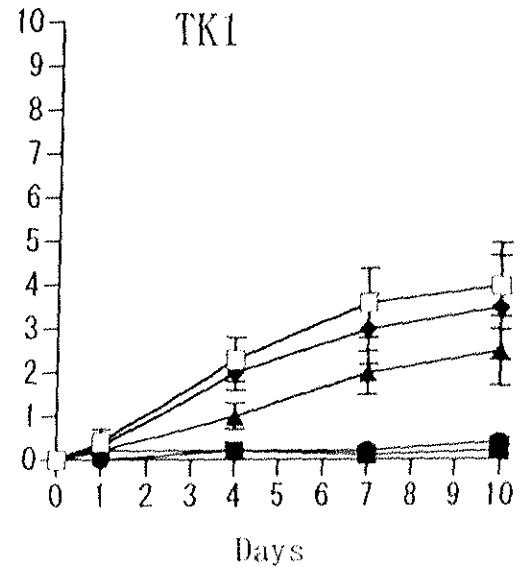


☒-5 Apoptotic Index (AI)

AI (%)



AI (%)



AI (%)

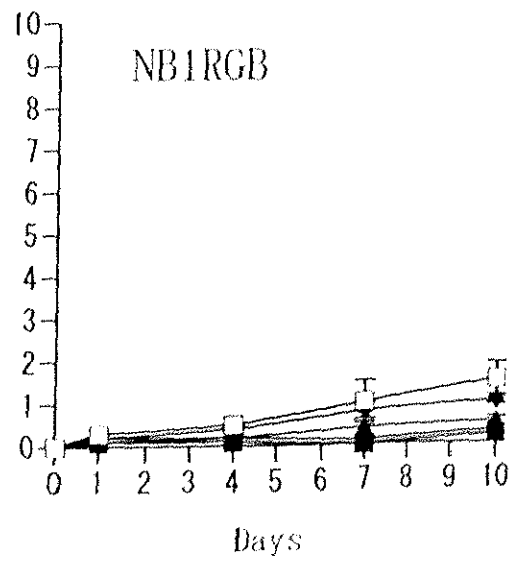
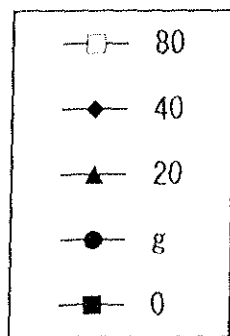


図-6 フローサイトメトリーにおけるsub G1ピークの変化

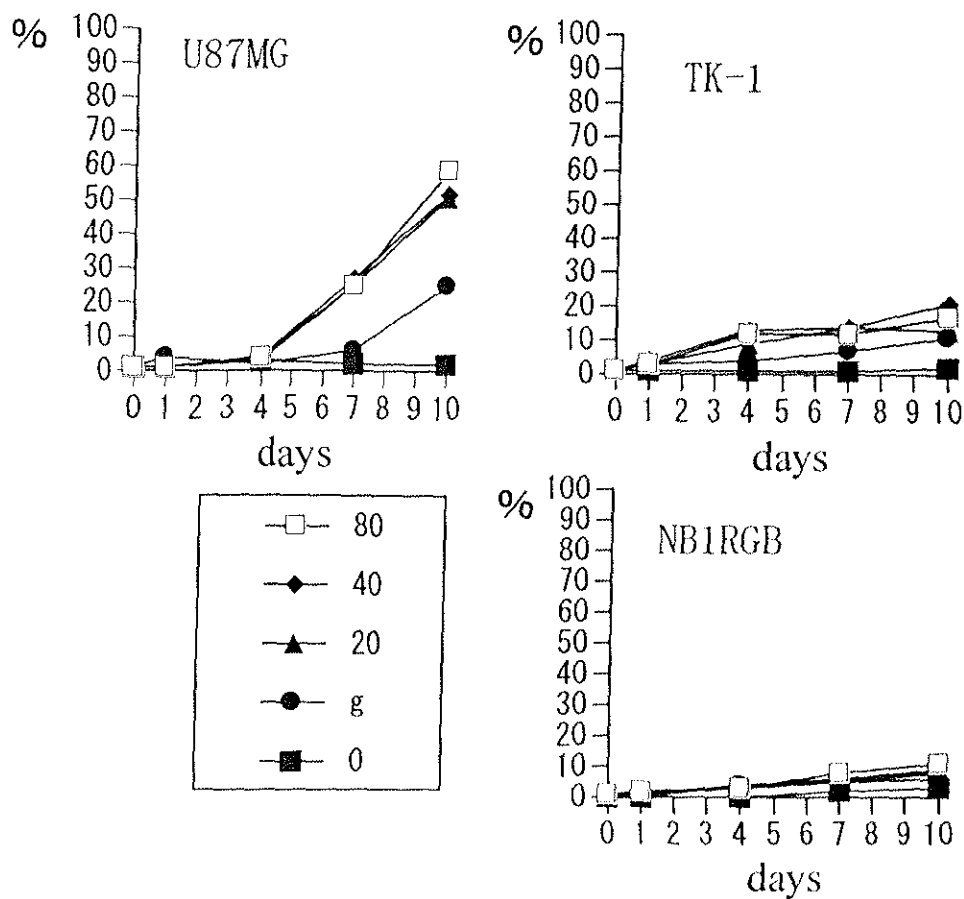


図-7 80 keV/ μm 炭素線照射後のDNA histogramの変化

