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Damage and Repair of DNA in 5-Bromodeoxyuridine-Labeled Chinese Hamster Cells Exposed to Fluorescent Light

Dear Sir:

In our previous paper (1), we estimated the number average molecular weight (M_n) of DNA from Chinese hamster cells sedimented in alkaline sucrose gradients using the equation $M_n = 0.6 M_w$, where M_w is the weight average molecular weight. The correct relationship should have been $M_n = 0.5 M_w$. This correction does not apply to an earlier paper (2) involving these techniques where M_n was calculated directly by a fraction-by-fraction summation (3).

We regret any confusion this error might have caused. We emphasize, however, that since our results involved relative yields of single-strand breaks, the conclusions derived from them are not affected. To apply this correction, in Figs. 2, 5, and 6 M_n for single-stranded DNA from untreated cells should simply be 1.7×10^8 instead of 2×10^8 daltons as stated.

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