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FWT-70-83M Characterization

Lot 1052

Typical Calibration

(Dose Rate 1.746 kGy/hr)

Dose, Gy	Net A at 600 nm	Net A at 656 nm
70	0.058	
300	0.255	
700	0.594	
1000	0.837	0.069
3000	2.303	0.180
6000		0.321
10000		0.474
20000		0.694
30000		0.391

NOTE: This typical calibration is provided as a guide to the response of this lot of FWT-70-83M Opti-Chromic Detectors to ionizing radiation. Actual response also depends on the instrumentation used to measure optical densities.

The recommended dose range for FWT-70-83M lot 1052 is 0.1 to 10 kGy. The Calibration curve for Lot 1052 is linear within this range and non-linear above this range. A turnover occurs in the 10 to 30 kGy range.