

عنوان مقاله:

Investigation of LiF, Mg and Ti (TLD-100) Reproducibility

محل انتشار:

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خلاصه مقاله:

LiF, Mg and Ti cubical TLD chips (known as TLD-100) are widely used for dosimetry purposes. The repeatability of TL dosimetry is investigated by exposing them to doses of (A), 18Y and Fo. a mGy) with 88YkeV photons of Cs-18Y. A group of Fo cubical TLD chips was randomly selected from a batch and the values of Element Correction Coefficient (ECC) were obtained f times by irradiating them to doses of λ1 mGy (two times), 15rmGy and fo. ΔmGy. Results of this study indicate that the average reproducibility of ECC calculation for Fo TLDs is 1.6%, while these values for all chips do not .exceed &%

کلمات کلیدی: LiF, Mg, and Ti, TLD-۱۰۰, ECC, Reproducibility

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