

## Advanced Thermoluminescent System

The Panasonic TL-Badge is a small, reliable dosimeter designed for superior accuracy, easy handling, cleanliness and resistance to mechanical impact.

Thin elements of tissue-equivalent  $\text{Li}_2\text{B}_4\text{O}_7:\text{Cu}$  and ultra-sensitive  $\text{CaSO}_4:\text{Tm}$  are encapsulated within a case containing the appropriate filters and optical ID-code.



This design has superior detection level, tissue-equivalence, and angular dependence compared to other dosimeters.

Panasonic TLDs have two different phosphors, allowing energies and particles to be detected.

### DOSIMETER CONSTRUCTION

Typical configuration is a four-element plate enclosed with plastic and lead filters.

This composite design ensures accurate calibration.

