

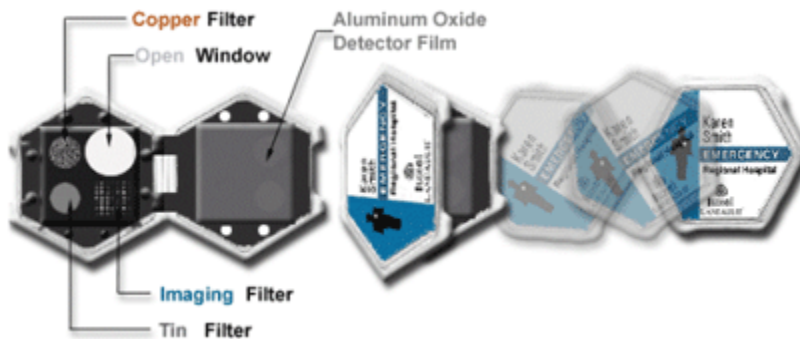


## Radiation Dosimetry – Technical Details

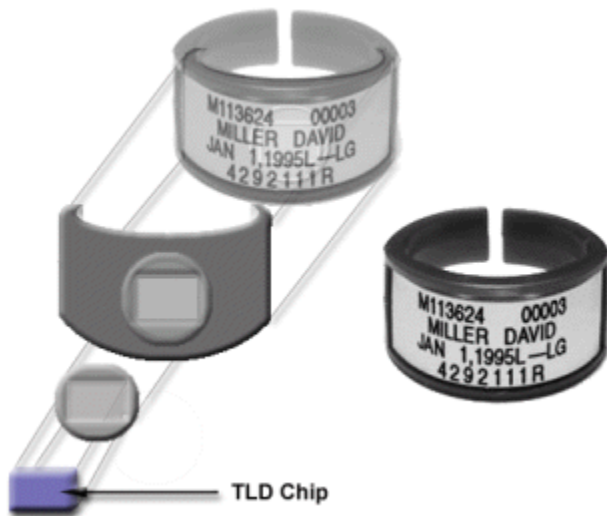
### Luxel OSLD Dosimeters

Luxel's optically stimulated luminescence dosimeter (OSLD) measures radiation exposure due to X-ray, beta, and gamma radiation through a thin layer of aluminum oxide and different filters. The dosimeter is enclosed in a water-resistant blister pack. After use, RSS returns them to Landauer for processing, where the aluminum oxide is stimulated with a blue-laser causing it to become luminescent. This luminescence is proportional to the amount of the radiation exposed to the dosimeter during use.

### OSLD Whole Body



### OSLD Ring



OSLD rings measure radiation exposure to your extremities due to X-ray, beta, and gamma radiation. The OSLD chip is sealed beneath the identification cover of the ring and should be facing towards the palm side.

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### Laboratory Safety