

## TLD Aluminium Cards



### **Versatile useable and high quality TLD Cards**

Aluminium cards with codabar barcodes for use in Harshaw or equivalent TLD card readers.

The cards are offered in a wide variety of configurations, with 1 to 4 TLD elements. The elements may be both LiF:Mg,Ti (MTS) and LiF:Mg,Cu,P (MCP) materials.

Lithium is offered in different isotopic composition: natural,  $^7\text{Li}$  enriched and  $^6\text{Li}$  enriched. Enrichment of lithium in  $^7\text{Li}$  is >99.9%, enrichment in  $^6\text{Li}$  is about 95%.

These cards are suitable for various applications in personal, environmental, and neutron dosimetry.

## Technical Specifications

Dose linearity	LiF:Mg,Ti up to 10 Sv within 10% LiF:Mg,Cu,P up to 20 Sv within 10%
Fading	<5% within 6 months
Response for thermal neutrons	MTS-7 / MTS-700 ~ $10^{-9}$ Gy/(n/cm <sup>2</sup> ) MTS-N / MTS-100 ~ $10^{-7}$ mGy/(n/cm <sup>2</sup> ) MTS-6 / MTS-600 ~ $10^{-6}$ mGy/(n/cm <sup>2</sup> )
Available element sizes	Disc Ø 3.6 mm x 0,38 mm Disc Ø 3.6 mm x 0,16 mm Chip 3.2 mm x 3.2 mm x 0,38 mm Chip 3.2 mm x 3.2 mm x 0,16 mm
Available TLD materials	LiF:Mg,Ti <sup>6</sup> LiF:Mg,Ti <sup>7</sup> LiF:Mg,Ti LiF:Mg,Cu,P <sup>6</sup> LiF:Mg,Cu,P <sup>7</sup> LiF:Mg,Cu,P
Card material	Anodised aluminium
Barcode	7 digit codabar, printed labels
Card dimensions	30.93 mm x 43.26 mm x 1.52 mm
Available colours	silver, blue, green, gold, red, violet, black
Available types	0110, 01h1h0, 0770, 7776, 6776, 7h7h7h7h and others

## Accessories



Whole Body Holder



Whole Body Holder



Albedo Holder



Environmental Holder

All information in this brochure is subject to technical changes without notice.

**RadPro** International GmbH  
*...Radiation Protection for the Radiation Professionals...*

Schwanen 10  
42929 Wermelskirchen  
Germany  
Phone: +49 2196 889803  
Email: [sales@radproint.de](mailto:sales@radproint.de)  
Web: [www.radpro-int.com](http://www.radpro-int.com)

