

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, ^7Li enriched and ^6Li enriched. Enrichment of lithium in ^7Li is >99.9%, enrichment in ^6Li 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 ²) MTS-N / MTS-100 ~ 10 ⁻⁷ mGy/(n/cm ²) MTS-6 / MTS-600 ~ 10 ⁻⁶ mGy/(n/cm ²)
Available element sizes	Disc Ø 3.6 mm x 0,38 mm Disc Ø 3.6 mm x 0,26 mm Chip 3.2 mm x 3.2 mm x 0,38 mm
Available TLD materials	LiF:Mg,Ti ⁶ LiF:Mg,Ti ⁷ LiF:Mg,Ti LiF:Mg,Cu,P ⁶ LiF:Mg,Cu,P ⁷ 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.

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