

Extremity Dosimeters

Rings & Fingertip Dosimeters



Varying Sizes

Ring dosimeters vary in sizes from small to extra large to accommodate a variety of finger sizes.

Comfort

Flexible, smooth plastic design enables just enough give to make it easy to wear and comfortable over or under gloves.

Easy Identification Labeling

Readable labels make it easy to determine which ring belongs to each user.

Additional Features & Benefits

MeasuRing™ Dosimeter

- Cold sterilization capability
- Consists of one powdered lithium fluoride element in a single-piece construction
- Available in four sizes



Ultra Ring™ Dosimeters

- Strong hard plastic construction
- Added durability
- Available in three sizes



Fingertip™ Dosimeter

- Cold sterilization capability
- Consists of one powdered lithium fluoride element sealed in a plastic pouch and placed in a finger cot
- Placed directly over the finger



Extremity Dosimeters | For a Variety of Applications

Technical Specifications

	MeasurRing Dosimeter	Ultra and Flex Rings	Fingertip Dosimeter
Description	Single chip ⁶ LiF:Mg, Cu, P powder chipstrate (TLD100H)	Single chip of ⁶ LiF:Mg, Ti (TLD100 loose chip)	Single powder chip of ⁶ LiF:Mg, Cu, P (TLD100H)
Badge Type	19 = MeasurRing	18 = Ultra and Flex Ring	13 = Fingertip
Holder Type	MS = Small size 5.5 (16.1 mm)* MM = Medium size 8 (18.1 mm)* ML = Large size 11 (20.6 mm)* MX = XLarge size 14.5 (23.4 mm)*	Ultra Ring: HS = Small size 6-8; red HM = Medium size 7-9; black HL = Large size 10-14; blue RF = Flex Ring One size = Velcro strap	Length: 89 mm TS = Small TM = Medium 20 mm* TL = Large 24 mm*
Accreditations	NVLAP (Code: 100555-0) HSE (United Kingdom) DoELAP CNSC (Canada)	Ultra Ring: NVLAP (Code: 100555-0) CNSC (Canada) Flex Ring: NVLAP (Code: 100555-0, Photon Only)	HSE (United Kingdom)
Minimum Reportable Dose	20 mrem (0.20 mSv)	20 mrem (0.20 mSv)	20 mrem (0.20 mSv)
Useful Dose Range	20 mrem - 1000 rem (0.20 mSv - 10 Sv)	20 mrem - 1000 rem (0.20 mSv - 10 Sv)	20 mrem - 1000 rem (0.20 mSv - 10 Sv)
Energy Response	Photon 20 keV - 6 MeV Beta 0.251 MeV - 5 MeV	Ultra Ring: Photon 20 keV - 6 MeV Beta 0.251 MeV - 5 MeV Flex Ring: Photon 20 keV - 6 MeV Beta 0.251 MeV - 5 MeV***	Photon 20 keV - 6 MeV Beta 0.251 MeV - 5 MeV
Sterilization	Sealed ring allows for cold sterilization**	The Ultra and Flex Rings cannot be sterilized	Sealed pouch allows for cold sterilization

* Approximate ring sizes and measurements.

** Cold sterilization using Glutaraldehyde of <5% by weight or ortho-Phthalaldehyde (1,2 – benzenedicarboxaldehyde) of <1% by weight. The use of sterilization solutions should be in accordance with manufactures instructions.

*** Not accredited for personnel monitoring.



Extremity dosimeters must be mailed back to Mirion Dosimetry Service's accredited lab for processing at the end of every wear period where the captured dose can be extracted, analyzed, calculated, and electronically stored in each wearer's legal dose-of-record.