



DOSIMETRY

Extremity Dosimeters

Measure dose to hands and fingers.



FEATURES

- Wear periods from one week to six months
- Can be worn under surgical gloves
- Perfect to measure extremity dose

APPLICATIONS

- For low or high energy beta, X-ray or gamma radiation monitoring of hands and fingers
- Ideal for individuals who have a higher risk of exposure to their hands and fingers

OVERVIEW

Measuring dose to your extremities is easy with ring or fingertip dosimeters from Mirion Technologies Dosimetry Services Division (DSD). These dosimeters are perfect for those who handle radioisotopes or perform interventional radiographic procedures.

MeasuRing™ dosimeters are barcoded and consists of one powdered lithium fluoride element in a single-piece construction. The MeasuRing dosimeter can be immersed and cold sterilized.

Ultra Ring™ dosimeters have strong, hard plastic for added durability.

Flex Ring™ dosimeters have soft plastic and velcro closure straps for flexibility and comfort.

Fingertip™ dosimeters also consist of one powdered lithium fluoride element which is sealed in a plastic pouch and placed in a finger cot that can be placed directly over the finger.

Ring & Fingertip | DOSIMETERS

ADDITIONAL BENEFITS



MeasuRing Dosimeter

- Individually calibrated
- Available in four sizes



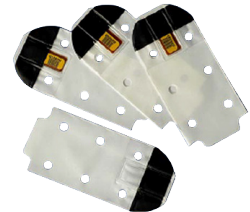
Ultra Rings

- Strong hard plastic construction
- Available in three sizes



Flex Rings

- Soft plastic construction with velcro closure straps



Fingertip Dosimeter

- Comfortable design
- Individually calibrated

TECHNICAL SPECIFICATIONS

	MeasuRing 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 = MeasuRing	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.

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