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Your health and  
safety... our priority.

Votre santé et votre  
sécurité... notre priorité.

# THE NEW **INLIGHT®** OSL DOSIMETER



Lower Reporting Limit:  
0.10 mSv

Wearing Location:  
Whole body/torso

Dimensions:  
8.3 x 3.5 x 1.5 cm

Wearing Period Frequency:  
Semi-monthly, monthly, quarterly

Radiation  
Measurements:  
X-ray, gamma and  
beta radiation

Weight:  
16.0g

**NDS**

The National Dosimetry Services (NDS) is pleased to introduce a new product to its family of radiation monitoring devices: the **InLight®** dosimeter. InLight® uses Optically Stimulated Luminescence (OSL) technology, the newest advancement in radiation monitoring that measures exposure to X-ray, gamma and beta radiation. The InLight® dosimeter effectively and accurately monitors radiation exposure in a wide variety of working environments, such as private practitioners, medical offices, hospitals, universities, emergency response, industry, and military services.

**A Measure of Safety**

**Canada**

## HOW OSL Technology Works

The InLight® OSL dosimeter contains sensitive elements that absorb radiation and store some of the energy in the form of excited electrons. The dosimeter is read by stimulating the sensitive elements using Light Emitting Diodes (LED), which releases some of the stored energy as light. The amount of released light is measured and used to determine the radiation exposure received by the dosimeter's user during the wearing period.



## Product Features

<b>Radiation Measurements</b>	X-ray, gamma and beta radiation
<b>Dimensions</b>	8.3 x 3.5 x 1.5 cm
<b>Weight</b>	16.0g
<b>Wearing Location</b>	Whole body/torso
<b>Wearing Period Frequency</b>	Semi-monthly, monthly, quarterly
<b>Lower Reporting Limit</b>	0.10 mSv

If you would like to learn more about the technical specifications and availability of the InLight® OSL dosimeter, please contact an NDS Customer Service Representative at our toll free number 1-800-261-6689, or visit our web site at [www.healthcanada.gc.ca/nds](http://www.healthcanada.gc.ca/nds).

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## PRODUCT ADVANTAGES

### InLight® Enhances User Experience

- easy to use – easy to wear
  - slotted clip ensures the dosimeter can be securely attached on the user's clothing or lab coat
  - small and light weight, the InLight dosimeter is designed for use in demanding applications. It is durable and resistant to moisture and chemical exposure
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- all InLight® dosimeter cards are pre-loaded into the holders, preventing contamination risks while ensuring reliable radiation exposure data

### InLight® Design Aesthetic

- colour coded to help distinguish between wearing periods and ease the administration involved in exchanging previously worn and new dosimeters
- attractive wearer label clearly identifies the user's name, dosimeter number, wearing period dates, wearing location, and group number