



## CLIENT DISCLOSURE STATEMENT

Dosimeters should be worn by professionals whose work involves direct or potential exposure to radiation. Our dosimetry service is a convenient and cost-effective way to meet state and federal regulations. PL Medical provides a monitoring service, which processes exposed dosimeters on a regularly scheduled basis.

Our laboratory is accredited by the National Institute of Standards and Technology (NIST) through the National Voluntary Laboratory Accreditation Program (NVLAP) to process the Landauer OSL InLight Model 2 dosimeter for ANSI/HPS N13.11-2009 categories IA, IIA, IIA and IVAA.



### Dosimeters

Our dosimeters detect exposure with four independent elements and are capable of estimating doses at three tissue depths. All records are electronically stored for future reference.

Our dosimeters are small, lightweight and clip easily to clothing. Each dosimeter is coded with a unique number for identification and tracking and labeled for quick identification at your facility.

### Instructions

You will receive new dosimeters for every monitored employee prior to the start of the wear period along with a reply envelope for returning dosimeters for processing and reporting.

A control dosimeter is provided free of charge for each cycle and is essential to the monitoring system. It is used to determine background radiation during transit and while the dosimeters are at the clinic. This control reading is subtracted from the individual employee dosimeter readings during processing to obtain the occupational dose. **Do not wear the control dosimeter. The control dosimeter should be stored in the same location as the employee dosimeters when they are not being worn. This should be outside the x-ray rooms, in an area free from radiation, high temperatures and humidity. Do not keep them inside a drawer or any other container.**

At the end of the wear period, it is of utmost importance that the correct control be returned with the appropriate shipment. If this procedure is not followed, the accuracy of the dosimeter analysis may be affected. Results for dosimeters received more than 90 days after the end of the scheduled cycle may compromise the accuracy of the analysis.

Wear your dosimeter throughout the workday. Do not take the dosimeters home. Only the individual whose name appears on the label should wear the dosimeter. Do not make changes to the dosimeter.

Due care should be taken to avoid contamination of the dosimeter. Adequate precautions should be taken to avoid excessive exposure to radiation when taking x-rays that entail holding a patient.

### Annual Radiation Exposure Limits



Based on the Nuclear Regulatory Commission’s recommendation (Code of Federal Regulations Title 10, Part 20) the maximum annual limits are:

Deep Dose Equivalent	5,000 mrem/year
Lens Dose Equivalent	15,000 mrem/year
Shallow Dose Equivalent	50,000 mrem/year
Fetal Dose	500 mrem/year
General Public	100 mrem/year

Over-exposure to ionized radiation can present potentially serious health problems.

### Dose Report

Once dosimeters have been returned to our laboratory, a Dose Report will be issued. A printed report will be sent for your records. The report includes the current monitoring period, the dose equivalents for the monitoring period and year-to-date and lifetime dose information for each returned dosimeter. If you are currently using another service, we can incorporate the lifetime data into our records from their final report.

The Dose Report also cites the annual exposure limits. If any reading should ever exceed the safety standards, your clinic will be notified by PL Medical. Additional copies of the dose record can be obtained by contacting our laboratory.

The dose report contains the following elements:

- Deep dose applies to external whole body exposure at a tissue depth of 1 cm, density 1,000 mg/cm<sup>2</sup>.
- Shallow dose applies to an external exposure of the skin or other body extremity at a tissue depth of 0.007 cm, or density 7 mg/cm<sup>2</sup>.
- Eye dose applies to an external exposure of the lens of the eye at a tissue depth of 0.3 cm, or density 300 mg/cm<sup>2</sup>.

### Minimum Dose and Type of Radiation

A dose is reported as “MR” if it falls below the minimum detectable limit.

- X-ray, gamma, beta 10 mrem
- Fetus badge 10 mrem

### How to make a service change

Update your service information by entering the information online at <http://myTLDaccount.plmedical.com> or emailing us the following information at [info@plmedical.com](mailto:info@plmedical.com):

1. Your Clinic Name
2. The name, employee ID number, and date of birth of the person you need to add/delete

### Notes:

- The dose report shall not be reproduced, except in full, without written approval of PL Medical



- The dose report must not be used by the client to claim product endorsement by NVLAP.
- Information on rules and regulations as determined at the state level can be obtained by contacting your State Radiological Board or Health Department.
- Information on radiological safety regulations can be found by contacting the U.S. Nuclear Regulatory Commission and requesting a copy of Title 10, Code of Federal Regulations, Part 20, or by contacting OSHA and requesting Title 29, Code of Federal Regulations, Part 1910.
- To provide you with uninterrupted service, your subscription will automatically renew at the end of the year unless we are informed otherwise.<sup>2</sup>
- Cancellation of service requires 45 days' written notice. If you cancel your subscription, it will remain active for the remainder of the time period for which was paid, and your service will not automatically renew. Cancellation notices should be sent to:

PL Medical  
Attn: Customer Service  
117 West Dudley Town Road  
Bloomfield, CT 06002

- Included in the cost of service is standard UPS Mail Innovations shipping. Additional shipping methods should be discussed with your sales representative and will be billed directly to the customer.
- It is the customer's responsibility to supply the correct postage in return shipments unless other arrangements have been made with PL Medical. Return shipments without the correct postage will be charged a minimum of \$12.00.<sup>2</sup>
- Extremity and Neutron dosimeters may be processed by an external provider (NVLAP Lab Code 100518-0).
- All shipments are prepaid and must be paid in full per the invoiced terms to maintain continuous dosimetry service. Orders for additional dosimeters are billed in advance for the remainder of the service period. Dosimeters may be prepared up to 30 days prior to the wear date. Dosimeters prepared prior to PL Medical receiving written cancelation will be billed.
- All dosimeters are the property of PL Medical and must be returned at the conclusion of the wear period. There is a fee for a lost/not received dosimeters. Invoicing for non-received dosimeters occurs if a dosimeter has not been received within 45 days after its end-of-wear date.<sup>2</sup>

<sup>1</sup> Any other dosimeters, such as extremity (ring) dosimeters and neutron detecting dosimeters, are not covered. These dosimeters may be provided by another NVLAP accredited provider. The accredited dosimetry laboratory will be indicated at the top of a dosage report.

<sup>2</sup> PL Medical maintains credit cards on file. Charges are automatically made against the credit card on file for renewals, lost dosimeters and postage not included for return shipments to ensure uninterrupted service.