



# Dosimetry Service

A guide to your account.



## OVERVIEW

Thank you for choosing ICCARE as your dosimetry service provider. We are committed to 100% customer satisfaction. You will find our sales executives, consultants, and customer support representatives to be knowledgeable about all aspects of your monitoring service. In addition, we have a dedicated technical group of highly qualified health physics professionals at your disposal.

## CUSTOMER SUPPORT

You may call our Customer Service Team members to add or delete personnel dosimeters, forward reports, or answer all questions pertaining to your account. If you have access, you can manage most aspects of your account online with our comprehensive web based account management programs.

Team members can be reached by phone; toll free: (877) 477-5486; or by email at: [info@iccare.net](mailto:info@iccare.net)

Should you need to delete or add new dosimeters to your account, please notify us 35 days before the next scheduled monitoring period. Requests for additional dosimeters that are received after this time will be mailed separately, or included in your next scheduled shipment.

## DOSIMETRY CARE

- Dosimeters should not be worn outside the workplace, or during personal medical procedures
- To avoid having to replace lost or damaged dosimeters, we recommend collection at the end of each shift or work day and storage in a central location away from radiation sources

## WEARING A DOSIMETER

**It is important to wear your dosimeter correctly.**

We recommend the following guidelines when wearing dosimeters. These guidelines will help to ensure accurate dose readings.

Personnel monitoring dosimeters should be worn on the body region and or body part specified on the badge label. A good rule of thumb is to point the labeled section of the dosimeter towards the source of the radiation as much as possible.

The following examples outline the proper wear of dosimeters.

### Whole Body Dosimeters

Wear the dosimeter close to the body at chest level, with the label side facing away from the body (figure 3).

If a leaded apron or other shielding equipment is used, and you are assigned a dosimeter, you should wear it OUTSIDE of the apron at the collar/neck region, so that exposure to your head, neck, eyes and thyroid can be measured. It is recommended that a second dosimeter also be worn under the shielding equipment.

### Extremity Monitoring Ring Dosimeters

The dosimeter should be worn on the part of the finger closest to, and facing the direction of the source of radiation (figure 4).



Figure 3



Figure 4

## PREGNANT WOMEN

Pregnant women should be issued a whole body fetal dosimeter, which typically is worn over the fetal area. If a lead apron is worn, the dosimeter should be placed under the apron over the fetal area to measure any dose that the apron may have failed to shield. It is recommended that a second dosimeter be worn at collar or chest level. Federal and State regulations require that radiation workers receive no more than 500 mrem per gestation period.



## CONTROL PACKETS

Each shipment may contain one control packet envelope for each type of dosimeter ordered. The control packet envelope should be kept in a low natural background radiation area to ensure effective and valid detection of transit or background radiation. When dosimeters are not in use, they should be stored with the control packet envelope away from radiation sources in a low natural background radiation area.

Under no circumstance should a control dosimeter be assigned to personnel, used as an area monitor, or taken into a radiation area. The control dosimeter must be returned along with all the dosimeters from the same monitoring period.

Dosimeters processed without the appropriate control badge may result in a reported dose that includes exposure during transit or storage.

## MAILING PROCEDURES

### Receipt of badges

You will receive your dosimeter shipment for each monitoring period approximately one week prior to the date they are to be worn. It is important that you do not start to wear these dosimeters prior to the date printed on the dosimeter label.

On the beginning of the wear date, the new dosimeters should be exchanged with the used dosimeters. Return the used dosimeters to the Radiation Safety Officer or designated manager for your monitoring program.

### APex Dosimeter

If you are using the APex dosimeter, please **DO NOT** open the blister pack, this is part of the dosimeter. Simply attach the provided clip to the blister pack before use.

When returning badges for processing, remove the clip from the blister pack and send back the entire badge for processing. Retain the clip for use with your next set of badges.

### Genesis TLD and Ring Dosimeters

The Genesis TLD and Ring dosimeters come preloaded and ready for use. When returning badges for processing, return the entire badge or ring.

## Shipping Container

We recommend returning your dosimeters in the return envelope provided in each shipment. For larger shipments, please reuse the shipping container with the supplied return labels attached, apply the proper postage to your shipment, and return as soon after the end of the wear period as possible. You will be responsible for non-returned dosimeter fees for **ALL** dosimeters not returned.

## Replacement Shipments

If your dosimeter shipment has not arrived one day before the start of the next monitoring period, call customer support for a free replacement shipment. Replacement shipments requested before this time may be subject to additional handling charges.

## CONTACT US

Should you need additional information or assistance, please contact customer support.

phone: (877) 477-5486  
e-mail: [info@iccare.net](mailto:info@iccare.net)



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