

MONORING® AND VISION® DECONTAMINATION

Instructions

Radiologists and other professionals exposed to ionising radiation to their hands and eyes should wear dosimeter. The ring and lens of eye dosimeters should be waterproof, comfortable and worn at all times of exposure. The sterilisation procedure should be defined.



MONORING

The MONORING and VISION are composed of a polyethylene piece, which is both flexible and robust. This detector is a lithium fluoride (LiF) TLD (Thermoluminescent dosimeter) chip. It is sealed by an ultra-sound sealed cover. MONORING and VISION are completely smooth and waterproof.

To help you start using your dosimeter, LANDAUER proposes different methods of decontamination in these instructions. These suggestions are not definitive and should be validated by your infection control advisers.

> BASIC PROTOCOL

This protocol is to be carried out between each intervention. The ring is compatible with several disinfection methods. You should also consult your infection control advisers.

Method N°1 : decontamination through scrubbing - MONORING

- 1) Carry out a surgical decontamination of the hands and place the ring on the finger as advised by your Radiation Safety Officer (RSO) / Radiation Protection Adviser (RPA).
- 2) Carry out a surgical scrubbing of the hands with a solution of aqueous-alcohol, paying particular attention to the ring.
 - Rub backwards and forwards whilst turning the ring on the knuckle, paying particular attention to the inner face and the back branches, for 1 minute 30 seconds.
- 3) Put on sterile gloves after the aqueous-alcohol solution has completely dried.

Method N°2 : decontamination using impregnated wipes - MONORING & VISION

- 1) Rub the MONORING and VISION with wipes impregnated with a sterilising agent.
- 2) Wear the ring after surgical scrubbing of the hands.



VISION



➤ FULL PROTOCOL - MONORING & VISION

This protocol should be carried out as a minimum at the beginning and end of the day according to the recommendations of your infection control adviser.

First decontamination bath

- 1) Immerse in a tray of detergent / pre-disinfectant for 30 min.
- 2) Brush with a surgical brush.
- 3) Rinse with cold and filtered water.

Complete decontamination bath

Ensure the wearing of sterile surgical gloves for manipulating the ring whilst carrying out decontamination operations.

- 1) Immerse in a tray of decontamination for 30 min.
List of compatible products available overleaf.
- 2) Rinse abundantly with cold and sterile water.
- 3) Dry with sterile compresses.
- 4) Store in a sterile container.
Be careful, storing must not exceed 1 hour.



Desinfection can

Gather your MONORING and VISION dosimeters in a single and assigned can.

➤ DECONTAMINATION PRODUCTS COMPATIBLE WITH THE MONORING

| Product | Compatibility |
|---------------------------|---------------|
| Peracetic acid | Yes |
| Aqueous-alcohol solutions | Yes |
| Hydrogen peroxide | Yes |

This data originates from the theoretical compatibility of materials tables.

Results validated by the test campaigns carried out in partnership with the Laboratory ANIOS®, studies available upon request.

