

SATURN™ AND VISION® DECONTAMINATION

Instructions

«Radiologists and other professionals exposed to ionising radiation to their hands should wear dosimeter rings. These rings must be waterproof and comfortable. The rings should be worn at all times of exposure and the sterilisation procedure for these rings must be defined. It can be a scrubbing procedure.» Extract from: [Recommendations for hand hygiene](#) published by SFHH (Société française d'hygiène hospitalière) - 2009 - Volume XVII - n°3



SATURN

The SATURN and VISION are polyethylene based dosimeters, which are both flexible and robust. The detector is a lithium fluoride (LiF) TLD (Thermoluminescent dosimeter) chip. It is located under an ultra-sound welded cap. The dosimeters are 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.

Method N°1 : decontamination through scrubbing (SATURN only)

- 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

- 1) Rub the SATURN or VISION with wipes impregnated with a non-toxic sterilising agent.
- 2) Wear it after surgical scrubbing of the hands.



VISION



> FULL PROTOCOL

This protocol should be carried out at least at the beginning and at the 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 dosimeters whilst carrying out decontamination operations.

- 1) Immerse in a tray of decontamination for 30 min.
List of compatible products available below.
- 2) Rinse amply with cold and sterile water.
- 3) Dry with sterile compresses.
- 4) Store in a sterile container.
Storing must not exceed 1 hour.



Sterile container

LANDAUER proposes a container that can accommodate one VISION and one SATURN for decontamination.

> DECONTAMINATION PRODUCTS COMPATIBLE WITH SATURN AND VISION

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 Laboratoires ANIOS.

