



Expect Service

Radiation Products Design Inc

INSTRUCTIONS

RPD INFORMATION

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RPD PRODUCT INFORMATION

Item Number	Description
971-012-01	Gold Eye Plaque, 12 mm / Standard
971-012-05	Gold Eye Plaque, 12 mm / Standard w/Notch
971-012-10	Eye Plaque, 12 mm / Modified
971-012-15	Eye Plaque, 12 mm / Modified w/Notch
971-012-20	Eye Plaque 12 mm Silicone Seed Carrier
971-014-01	Gold Eye Plaque, 14 mm / Standard
971-014-05	Gold Eye Plaque, 14 mm / Standard w/Notch
971-014-10	Eye Plaque, 14 mm / Modified
971-014-15	Eye Plaque, 14 mm / Modified w/Notch
971-014-20	Eye Plaque 14 mm Silicone Seed Carrier
971-016-01	Gold Eye Plaque, 16mm / Standard
971-016-05	Gold Eye Plaque, 16mm / Standard w/Notch
971-016-10	Eye Plaque, 16mm / Modified
971-016-15	Eye Plaque, 16mm / Modified w/Notch
971-016-20	Eye Plaque 16 mm Silicone Seed Carrier
971-018-01	Gold Eye Plaque, 18 mm / Standard
971-018-05	Gold Eye Plaque, 18mm / Standard w/Notch
971-018-10	Eye Plaque, 18 mm / Modified
971-018-15	Eye Plaque, 18 mm / Modified w/Notch
971-018-20	Eye Plaque 18 mm Silicone Seed Carrier
971-020-01	Gold Eye Plaque, 20 mm / Standard
971-020-05	Gold Eye Plaque, 20 mm / Standard w/Notch
971-020-10	Eye Plaque, 20 mm / Modified
971-020-15	Eye Plaque, 20 mm / Modified w/Notch
971-020-20	Eye Plaque 20 mm Silicone Seed Carrier

DISCLAIMER

THESE PRODUCTS ARE NOT STERILE AND ARE TO BE USED BY AUTHORIZED PERSONNEL ONLY.

RADIATION PRODUCTS DESIGN INC assumes no liability for consequential damages of any kind for this material when used interchangeably with products of other manufacturers/suppliers or for any direct or indirect results and consequences of its use or misuse by the customer.

STERILIZATION

In typical practice, the ^{125}I seeds are loaded into the seed carrier insert and the insert bonded into the gold plaque in a clean but non-sterile environment. The assembled plaque is then sent for sterilization. The template(s) may be pre-sterilized and stored in sterility maintaining bags.

A preferred sterilization procedure for the assembled radioactive plaque is steam autoclaving. An acceptable "Flash" cycle might be 270°F, 32psi, 4min. Alternatively, *gas sterilization* may be employed. An acceptable gas process might be ethylene dioxide, 140°F, 15-20psi, 5.5hr, 5.5hr cool cycle, 12+hr aeration. Individual institutional policies may dictate the details of the various procedures. For either process, a suitable metal (shielding) container which does not interfere with the sterilization process is required. The acrylic template (both of original and modified design) ***should not*** be autoclaved. The temperature employed for autoclaving may be high enough to soften and deform the acrylic.

Sterilization of the assembled plaque in a liquid such as CIDEX is *cautioned against*. Upon plaque removal from a patient, some fluid is typically found between the gold plaque and the seed carrier insert. If the assembled plaque were placed in a sterilizing liquid for an extended period of time, any liquid trapped between the gold plaque and the insert would not be removed by brief flushing with sterile water. The trapped sterilizing liquid could then leak out during the plaque application. The template may be gas sterilized, or in a sterilizing liquid that does not chemically react with the acrylic (e.g., CIDEX), and flushed with sterile water at surgery.

CLEANING AFTER USE

The template may be cleaned with soap and water. Typically, the gold plaque is cleaned with soap and water and with alcohol, using a toothbrush. Any silastic glue remaining inside the rim of the plaque is scraped off using a small spatula. The metal plaque should be inspected for damaged suture tabs or deep scratches. It may be appropriate to have the gold plaque buffed or polished (the institution's dental section should be able to accommodate this). We treat the silastic seed carrier insert as a one time use item, having found it difficult to satisfactorily clean the silastic glue from it.

ACCESSORIES

Item #	Description
971-110	Tungsten Shield for Eye Plaques 1 mm thick x 10.2 radius x 18.3 mm diameter
936-950	Shielded Eye Plaque Box for Gas Sterilization