



# RADION-X®

## STERILE AND POWDER-FREE RADIATION PROTECTION GLOVES

Radion-X is a Radiation Protection Glove (RPG). Radiation Protection Gloves are specially formulated gloves designed to protect the user's hands from scattered secondary radiation during procedures where ionizing radiation is present from the C-Arm and other X-ray machines.

Exposure to radiation is cumulative and can be extremely dangerous if proper precautionary measures are not taken. Hands are the closest part of the body to the radiation and are often the least protected.

### Features and Benefits

- Radiation Protection Glove (RPG)
- Attenuating Agent is Bismuth Oxide Instead of Lead
- The protection provided by Bismuth Oxide is equivalent to the protection levels provided by lead at the same thickness\*, but eliminates the ecological problems associated with the use of lead
- Radion-X can be disposed of in the normal stream of waste, therefore reducing the potential for extra cost of lead waste disposal

### Specifications

- Natural Rubber Latex
- Synthetic Polymer Coating
- Khaki
- Lightly Textured
- Extra Thick 11.8 mil
- Radion-X is sterile and recommended for single use only

Direct Beam Energy Level	Attenuation	Lead Equivalence Value, mmPb
60 kVp HVL 2.3mm AL	58%	At 80kVp, 0.15mm Cu Filter up to 0.044
80 kVp HVL 3.3mm AL	44%	
100 kVp HVL 4.3mm AL	35%	
125 kVp HVL 5.6mm AL	31%	

### Ordering Information

Item Number	Size
MSG2165	6.5
MSG2170	7.0
MSG2175	7.5
MSG2180	8.0
MSG2185	8.5
MSG2190	9.0

10 Pairs/Box, 20 Pairs/Case

\*Data available upon request.



# TECHNICAL SHEET

# RADION-X

Primary Material	Low-Protein Powder-Free Natural Rubber Latex with Synthetic Polymer Coating ≤2.0 milligrams/glove of powder in accordance with ASTM D6124 and ISO 21171 <b>Caution: This product contains natural rubber latex which may cause allergic reactions, including anaphylactic responses.</b>
Donning Agent	Synthetic Polymer Coating (Inner surface coated for dry and damp hand donning)
Color	Khaki
Grip	Lightly textured
Former (Mold) Design	Anatomical, curved former designed to enhance comfort and reduce hand fatigue
Cuff Design	Tapered, beaded cuff design to prevent rolldown. Reinforced material prevents tearing.
Chemical Additives (Accelerators)	Zinc Diethyldithiocarbamate (ZDEC) and Zinc Dibutyldithiocarbamate (ZDBC) Residual chemical levels below detectable level according to UPB/P/003a test method
Leachable Protein (per EN455-3 using ASTM D5712 (Modified Lowry Protein Method)	Low Protein: <50 micrograms/gram of total extractable protein <b>Caution: Safe use of these gloves by or on latex-sensitized individuals has not been established.</b>
Thickness (per ASTM D3577 ≥ 0.10 mm)	min .30 mm
Cuff Length (per EN455-2 ≥ 270 mm size 7.5)	300 mm
Freedom from Holes (per EN 455 AQL 1.5)	1.0 AQL Final Inspection
Sterilization	Gamma Radiation, Sterility Assurance Level 10 <sup>-6</sup>
Expiration Date	35 Months from Date of Manufacture Manufacture and Expiration Dates are printed on packaging (YYYY-MM format)
Packaging	Polyethylene peel pouch material protects product during transport and storage from moisture and ozone and prevents tearing when opening to maintain a sterile environment
Storage Recommendations	Protect from freezing. Avoid excessive heat. Keep dry. Product should be shielded from direct sunlight, fluorescent lighting, X-rays, moisture and ozone. Do not store in temperatures above 40°C.
Country of Origin	Malaysia



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