

SATPro

X-ray Penetrable Sterile Radiation Protection Drape



This sterile, single-use, X-ray penetrable radiation protection drape is designed to reduce scattered radiation exposure during fluoroscopy and interventional procedures. Utilizing a lead-free, radiation-attenuating composite material, SATPro provides effective radiation attenuation while maintaining diagnostic image quality and compatibility with imaging systems.

Version: SMH/P2609

CE U.S. FDA Listed

Performance Evidence Summary



Radiation Dose Reduction

Demonstrated ~29% reduction in radiation dose during fluoroscopy (phantom study, ABC enabled)



Scatter Radiation Protection

- 36-58% attenuation (single layer)
- Up to 80% attenuation (1.5 layers)
- Supports reduction of occupational radiation exposure to clinical staff



Image Quality Preservation

- No statistically significant impact on:
 - Signal-to-Noise Ratio (SNR)
 - Contrast-to-Noise Ratio (CNR)
- Maintains diagnostic image clarity

Performance supported by phantom-based experimental studies and Monte Carlo simulation modeling in C-arm fluoroscopy environments.

Technical Specifications

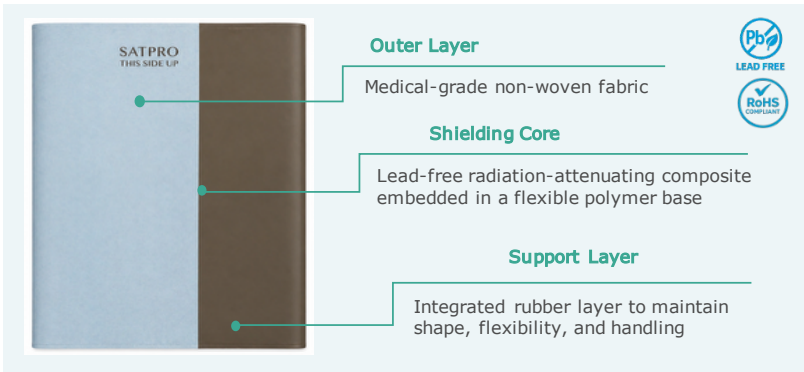
SKU Number	72233-100	72233-101
Product Name	Disposable Sterile Radiation Protection Drape	
Product Category	Surgical Drape	
X-ray Attenuation Testing*	61.5% at 60 kV; 54.0% at 80 kV; 48.0% at 100 kV	
GMDN Code	47783	
EMDN Code	T020102	
Feature	X-ray Penetrable	
Dimension (mm)	400 x 600	450 x 650
Approx. Weight (g)	162	190
Sterilization	Ethylene Oxide (EO)	
Shelf Life	5 Years	
Packing	1 drape per pouch 50 pouches per carton	

*X-ray attenuation was tested by an accredited laboratory in accordance with IEC 61331-1:2014 and YY/T 0292.1-2020. The reported values represent single-layer testing under the specified laboratory test conditions.

Application & Placement



Material Composition & Product Structure



Indications for Use

SATPro is intended for use during fluoroscopy-guided and interventional procedures to reduce scattered radiation exposure to patients and healthcare personnel.

Applicable procedures include, but are not limited to:

- Interventional radiology procedures
- Cardiac catheterization laboratory procedures
- Electrophysiology procedures
- Fluoroscopy-guided surgical procedures
- Vascular and peripheral vascular interventions

Application Guidance

- Place the drape over the sterile patient drape
- Position the drape at the primary X-ray beam path
- May be layered to enhance scatter radiation attenuation, but layered areas should not overlap the primary imaging field, as multiple layers may affect image quality.

Important Notes

- Intended for use as an adjunctive radiation protection measure
- Performance may vary depending on imaging parameters and clinical setup



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Note: The information in this technical sheet is subject to change without prior notice as part of our continuous product improvement policy.

SATPro



Non-X-ray Penetrable Sterile Radiation Protection Drape

This sterile, single-use, non-X-ray penetrable radiation protection drape is designed to reduce scattered radiation exposure during fluoroscopy and interventional procedures. Utilizing a lead-free, radiation-attenuating composite material, it provides effective radiation attenuation while shielding areas outside the primary X-ray beam and maintaining access to the procedural site.

Version: SMH/P2609

CE U.S. FDA Listed

Key Benefits



Up to 97.5% X-ray Attenuation

Helps reduce scattered X-ray exposure to medical personnel and protect areas outside the primary imaging field



Procedure-Specific Designs

Available in different sizes and configurations for various interventional procedures



Lead-Free

Uses advanced lead-free radiation-attenuating material for effective radiation protection.

Technical Specifications

Product Name: Disposable Sterile Radiation Protection Drape

Product Category: Surgical Drape

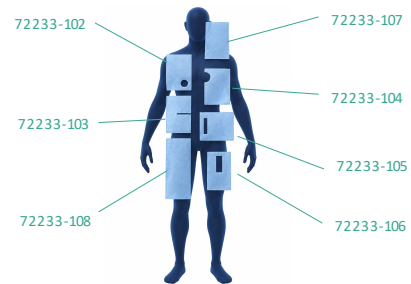
Lead Equivalency: 0.125 / 0.25 / 0.375 / 0.50 mm Pb

X-ray Attenuation at 90 kV: 0.125 mmPb - 86.50%; 0.25 mmPb - 94.92%
0.375 mmPb - 95.71%; 0.50 mmPb - 97.50%

Sterilization: Ethylene Oxide (EO)

Shelf Life: 5 Years

Packing: 1 drape per pouch | 20 pcs per carton



SKU Number	Description	Surgical Application
72233-102	Angiography Shielding Drape with Fenestration 425 mm x 365 mm 265 / 530 / 795 / 1069 g*	For all arterial access procedures in IR, OR, Cardiac Cath, and EP labs at the vascular access site. Supports transfemoral access for angiography, coronary, and catheterization without affecting technique.
72233-103	Biliary Split Shielding Drape 425 mm x 320 mm 244 / 488 / 732 / 976 g*	For transjugular intrahepatic portosystemic shunt (TIPS) and other biopsy procedures. Suitable for both AP and oblique fluoroscopic views.
72233-104	EP Left Subclavian Shielding Drape 425 mm x 320 mm 231 / 461 / 692 / 923 g*	For subclavian access procedures, including biventricular pacemaker implantation, ICS procedures, and biventricular pacing. Fenestration allows access without interfering with technique.
72233-105	Biopsy Shielding Drape 415 mm x 330 mm 230 / 460 / 690 / 920 g*	For needle biopsy and puncture procedures. Rectangular fenestration allows access and imaging while minimizing radiation exposure.
72233-106	Dialysis Shielding Drape 415 mm x 330 mm 230 / 460 / 690 / 920 g*	Alternate or auxiliary shield in IR, Cath, and EP labs. Supports transradial access, shunt placement, biliary drainage, spinal procedures, and fibroid embolization.
72233-107	Multipurpose Shielding Drape 425 mm x 320 mm 244 / 488 / 732 / 976 g*	Alternate or auxiliary shield in IR, Cath, and EP labs. Supports transradial access, shunt placement, biliary drainage, spinal procedures, and fibroid embolization.
72233-108	Peripheral Shielding Drape 900 mm x 350 mm 586 / 1173 / 1759 / 2345 g*	For peripheral procedures accessed via the femoral artery. Added length allows mobility while imaging the entire limb.

*Weights are listed in order of lead equivalency: 0.125 / 0.25 / 0.375 / 0.50 mmPb.

Placement

All SKUs are designed to shield areas of the patient's body outside the path of the X-ray beam, providing comprehensive protection from radiation exposure while maintaining access to the surgical site.

Product Structure



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