



Coverall with Integrated Boots - Sterile

The BioClean-D Coverall with Hood and Integrated Boots is a disposable garment offering comfort and head-to-toe protection. Featuring a front zip with protective flap, elasticated hood, back, cuffs and ankles, and thumb loops to ensure a secure hold. The integrated boots feature slip-resistant soles to ensure every step is taken with confidence.

Please enquire for specific chemotherapy drug permeation times and recommendations.

- Antistatic lightweight low-linting CleanTough material
- Thumb loops to ensure a secure hold
- Zip with sealable cover
- Elasticated back, cuffs and ankles
- Slip resistant soles



AVAILABLE SIZES

NITRS-BDFC-S	Chest: 84-92cm	Height: 164-170cm	Size: S
NITRS-BDFC-M	Chest: 92-100cm	Height: 170-176cm	Size: M
NITRS-BDFC-L	Chest: 100-108cm	Height: 176-182cm	Size: L
NITRS-BDFC-XL	Chest: 108-116cm	Height: 182-188cm	Size: XL



Performance Standards and Regulatory Compliance



ASTM F739-12 TEST METHOD RESULTS

DRUG	Mean Breakthrough Time (MBT), Minutes Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 µg/cm ² /min
CISPLATIN	>240
CARMUSTINE	<6
CYCLOPHOSHAMIDE	217 (275,162,215)
DOXORUBICINHYDROCHLORIDE	>240
5-FLUOROURACIL	>240
METHOTREXATE	>240
ETOPOSIDE	>240
PACLITAXEL	10-6
THIOTEPA 30	(28,30,33)

Industries

- Controlled and Critical Environments
- Production and Manufacturing
- Pharmaceutical Manufacturing
- Biotechnology Manufacturing
- Medical Device Manufacturing
- Laboratory and Research



PARTICLE SHEDDING TEST RESULTS

TEST	RESULT
Particle Shedding (Helmke Drum Test)	≥ 0.5µm (counts/min) <2000

PRODUCT INFORMATION S-BDFC

Material	Polyethylene/non-woven polypropylene laminate
Color	White
Manufacturing/QMS Audit Standards	Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D
Regulatory/Standards Compliance	ASTM F739, CE 0598, EN 1149-5:2008, EN 13934-1, EN 19935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 13688:2013, ISO 11137-1:2006, EN ISO 14325, Category III, EN ISO 13982-1:2004 + A1:2010
Storage and packaging	One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton (20 pieces); sizes XXXL & XXXXL 15 pieces per carton
Country of Origin	China
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10 ⁻⁶
Cleanroom Class	Class 10/ISO 4 & EU GMP Grade A
Shelf Life	Three (3) years from date of manufacture
Construction	Bound seams with single needle stitching
Characteristics	*NOTE: BioClean CleanTough material is static dissipative and, with a charge half decay time of 0.07 sec, and so are ideal for use in a static-safe environment

MATERIAL PERFORMANCE TEST RESULTS

TEST	RESULT	PERFORMANCE CLASS
Abrasion Resistance	10 to 100 cycles	1
Flex Cracking Resistance	5,000 to 15,000 cycles	3
Trapezoidal Tear Resistance Cross Direction (CD)	CD 29.3 N	2
Trapezoidal Tear Resistance Machine Direction (MD)	MD 55.5 N	3
Tensile Strength Cross Direction (CD)	CD 48 N	1
Tensile Strength Machine Direction (MD)	MD 97 N	2
Puncture Resistance	8 N	1
Repellence to Liquids – 30% H ₂ SO ₄	96.3%	3
Repellence to Liquids – 10% NaOH	97.6%	3
Repellence to Liquids – O-Xylene	95.7%	2
Repellence to Liquids – Butan-1-ol	96.6%	3
Penetration by Liquids – 30% H ₂ SO ₄	0%	3
Penetration by Liquids – 10% NaOH	0%	3
Penetration by Liquids – O-Xylene	0%	3
Penetration by Liquids – Butan-1-ol	0%	3
Inward leakage of aerosols of fine particles ¹	Pass	N/A
Resistance to penetration by spray (Spray Test) ¹	Pass	N/A
Seam Strength ²	70 N	2
Electrostatic Charge Half Decay Time, t ₅₀ (secs)	0.07	PASS

1. All interfaces with additional PPE were taped during testing, as required by the standards

2. Seam not destroyed

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and to place your orders

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