



# BioClean-D™ Lab Coat - Sterile S-BDLC

## Lightweight sterile garment, specially designed for protective use in cleanroom environments

- **Elevated comfort:** The BioClean-D™ Lab Coat Sterile S-BDLC is a sterile protective garment designed using low-linting, lightweight material, minimizing contamination risk while affording comfortable, easy-to-wear personal protection
- **ESD properties:** As it feature antistatic-coated fabric, the risk of electrostatic damage or interference is greatly reduced
- **Genuine convenience:** This sterile BioClean-D™ antistatic garment also boasts three deep pockets, press stud fastenings and open cuffs
- **Sterility assurance:** In addition, the hood is sterilized by gamma irradiation, with sterility assurance level (SAL) of 10<sup>-6</sup>



### Key Features and Benefits

- **Low-linting lightweight fabric:** Fewer contamination risks
- **Antistatic-coated:** Controlled electrostatic dissipation
- **Press stud fastenings and deep pockets:** Added convenience, easy donning

### Industries

- Laboratory and Research
- Laboratory Maintenance & Clean-Up
- Laboratory Research and Development
- Veterinary Services





# BioClean-D™ Lab Coat - Sterile S-BDLC

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

<b>Material</b>	CleanTough™
<b>Audit Standards</b>	Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D
<b>Standards</b>	ASTM F739, CE 0598, EN ISO 13688:2013, EN 1149-5:2008, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, ISO 11137-1:2006, Category III, EN 13034:2005 + A1:2009
<b>Packaging Overview</b>	One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 30 outer bags per lined carton (30 pieces)
<b>Country Of Origin</b>	China
<b>Sterilization Method</b>	GAMMA irradiation (25 kGy)
<b>Sterilization Minimum Dose</b>	25kGy
<b>Sterility Assurance Level</b>	10 <sup>-6</sup>
<b>Cleanroom Class</b>	Non-Critical Environment
<b>Shelf Life</b>	Three (3) years from date of manufacture.
<b>Construction</b>	Bound seams with single needle stitching
<b>Characteristics</b>	*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 <sub>2</sub> SO <sub>4</sub>	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 <sub>2</sub> SO <sub>4</sub>	0%	3
Penetration by Liquids - 10% NaOH	0%	3
Penetration by Liquids - O-Xylene	0%	3
Penetration by Liquids - Butan-1-ol	0%	3
Seam Strength <sup>2</sup>	70 N	2
Electrostatic Charge Half Decay Time, t <sub>50</sub> (secs)	0.07	PASS

- 1.
2. Seam not destroyed



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## PARTICLE SHEDDING TEST RESULTS

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

## ASTM F739-12 TEST METHOD RESULTS

DRUG	Mean Breakthrough Time (MBT), Minutes
	N/A
CISPLATIN	N/A
CARMUSTINE	N/A
CYCLOPHOSHAMIDE	N/A
DOXORUBICINHYDROCHLORIDE	N/A
5-FLUOROURACIL	N/A
METHOTREXATE	N/A
ETOPOSIDE	N/A
PACLITAXEL	N/A
THIOTEPA	N/A

Results achieved under controlled laboratory conditions, by accredited external testing laboratory.

## SIZE CHART

S-BDLC-S; Size: S, Chest: 84-92cm (33"-36"), Height: 164-170cm (5'4"-5'6")  
 S-BDLC-M; Size: M, Chest: 92-100cm (36"-39"), Height: 170-176cm (5'6"-5'9")  
 S-BDLC-L; Size: L, Chest: 100-108cm (39"-42"), Height: 176-182cm (5'9"-6'0")  
 S-BDLC-XL; Size: XL, Chest: 108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")  
 S-BDLC-XXL; Size: XXL, Chest: 116-124cm (45"-48"), Height: 188-194cm (6'2"-6'4")

## ORDERING INFORMATION

	SIZE	S, M, L, XL, XXL
S-BDLC	REORDER NO.	S-BDLC-S, S-BDLC-M, S-BDLC-L, S-BDLC-XL, S-BDLC-XXL

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## Performance Standards and Regulatory Compliance



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