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 10-6

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

Ansell

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TECHNICAL DATA SHEET

PRODUCT INFORMATION

Material	CleanTough™
Audit Standards	Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D
Standards	ASTM F739, Partial Body Protection Only, CE 0598, EN 1149-5:2008, EN 1149-5:2018, EN 13934-1, EN 13935-2, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 13688:2013+A1:2021, EN ISO 14325, ISO 11137-1:2006, Category III, EN 13034:2005 + A1:2009
Packaging Overview	One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 30 outer bags per lined carton (30 pieces)
Storage	Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials.
Country Of Origin	China
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10^{-6}
Cleanroom Class	Non-Critical Environment
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.

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 Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 Qg/cm2 /min
CISPLATIN	>240
CARMUSTINE	<6
CYCLOPHOSHAMIDE	217 (275,162,215)
DOXORUBICINHYDROCHLORIDE	>240
5-FLUOROURACIL	>240
METHOTREXATE	>240
ETOPOSIDE	>240
PACLITAXEL	<10
THIOTEPA	30 (28,30,33)

Results achieved under controlled laboratory conditions, by accredited external testing laboratory. *For Bioclean D and Bioclean 2000, the chemical permeation results relates to the fabric performance for reference only. Seams and closures may have lower breakthrough times. We recommend garments with sealed seams such as Bioclean-C to be worn over the coverall for added protection against chemotherapy drugs handling.

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-2XL; Size: 2XL, Chest: 116-124cm (45"-48"), Height: 188-194cm (6'2"-6'4")

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MATERIAL PERFORMANCE TEST RESULTS

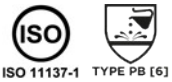
TEST	RESULT	PERFORMANCE CLASS	PERFORMANCE STANDARD
Abrasion Resistance	>10 cycles	1	EN12947-2
Flex Cracking Resistance	>50,000 cycles	6	EN ISO 7854
Puncture Resistance	>5 N	1	ISO 13996
Trapezoidal Tear Resistance Cross Direction (CD)	>10 N	1	EN ISO 9073-4
Trapezoidal Tear Resistance Machine Direction (MD)	>10 N	1	EN ISO 9073-4
Tensile Strength Cross Direction (CD)	>30 N	1	EN ISO 13934-1
Tensile Strength Machine Direction (MD)	>30 N	1	EN ISO 13934-1
Repellence to Liquids – 30% H_2SO_4	>90%	3	ISO 6530
Repellence to Liquids – 10% NaOH	>90%	3	ISO 6530
Repellence to Liquids – O-Xylene	>90%	3	ISO 6530
Repellence to Liquids – Butan-1-ol	>90%	3	ISO 6530
Penetration by Liquids – 30% H_2SO_4	<1%	3	ISO 6530
Penetration by Liquids – 10% NaOH	<1%	3	ISO 6530
Penetration by Liquids – O-Xylene	<1%	3	ISO 6530
Penetration by Liquids – Butan-1-ol	<1%	3	ISO 6530
Seam Strength[2]	>50 N	2	ISO 13935-2
Electrostatic Charge Half Decay Time, t_{50} (secs)	PASS	N/A	EN1149-3

1. Seam not destroyed
2. The material is static dissipative. Tested in accordance with EN1149-5.

ORDERING INFORMATION

	SIZE	S, M, L, XL, 2XL
S-BDLC	REORDER NO.	S-BDLC-S, S-BDLC-M, S-BDLC-L, S-BDLC-XL, S-BDLC-XXL

Performance Standards and Regulatory Compliance



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