



## 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

|                            |                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 ISO 13688:2013, EN 1149-5:2008, EN 1149-5:2018, EN 13934-1, EN 13935-2, EN 530, 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, 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)                                                                                                                                                                                |
| Country Of Origin          | China                                                                                                                                                                                                                                                                                               |
| Sterilization Method       | GAMMA irradiation (25 kGy)                                                                                                                                                                                                                                                                          |
| Sterilization Minimum Dose | 25kGy                                                                                                                                                                                                                                                                                               |
| Sterility Assurance Level  | 10 <sup>-6</sup>                                                                                                                                                                                                                                                                                    |
| 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<br>N/A |
|--------------------------|----------------------------------------------|
| CISPLATIN                | N/A                                          |
| CARMUSTINE               | N/A                                          |
| CYCLOPHOSAMIDE           | 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")



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## 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                 |
| Puncture Resistance                                          | 8 N                    | 1                 |
| 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                 |
| 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. Seam not destroyed

## 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



CE 0598



EN 1149-5



ISO 11137-1



TYPE PB [6]



TYPE PB [6]

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