



BioClean-D™ Overboots BDOB-L

Longer-length protective overboots, for more complete personal protection

- **Added protection:** At 500mm in length, BioClean-D™ Overboots BDOB-L are longer than the standard alternative, offering wearers more comprehensive personal protection
- **Reduced contamination risks:** These protective overboots are also made from CleanTough™ low-linting material, minimizing contamination risks when entering the cleanroom environment
- **Optimized fit:** With tie fastenings at the top and at ankle level, they are easy to wear and offer a secure, adjustable fit
- **Enhanced features:** These overboots' slip-resistant sole feature ensures added security, preventing potential workplace injuries



Key Features and Benefits

- **Longer length (500mm):** For greater protective coverage
- **Low-linting lightweight material:** Lower contamination risks
- **Tie fastenings and slip-resistant sole:** Secure fit and safe use

Industries

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





BioClean-D™ Overboots BDOB-L

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, Category III, EN 13034:2005 + A1:2009, EN 13034:2005 + A1:2009
Packaging Overview	30 pieces per sealed inner PE bag; one inner bag per sealed outer PE bag; five outer bags per lined carton (150 pieces)
Country Of Origin	Sri Lanka
Cleanroom Class	Class 10/ISO 4
Shelf Life	Five (5) 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)	≥ 0.5µm (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 µg/cm ² /min
CISPLATIN	>240
CARMUSTINE	<6
CYCLOPHOSAMIDE	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.

SIZE CHART

Universal



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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 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	
Seam Strength ²	70 N	2
Electrostatic Charge Half Decay Time, t ₅₀ (secs)	0.07	PASS

1. 1. All interfaces with additional PPE were taped during testing, as required by the standards.
2. Seam not destroyed

ORDERING INFORMATION

	SIZE	Universal
BDOB-L	REORDER NO.	BDOB-L

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Performance Standards and Regulatory Compliance



CE 0598



EN 1149-5



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