BioClean-D™ Coverall with Hood BDCHT

Non-sterile antistatic coverall with hood, for protection from a range of chemicals

- **Reduced contamination risks:** The BioClean-D Coverall with Hood BDCHT disposable coverall features a hood and front zip with a sealable cover and a protective flap, reducing the risk of contaminant leakage through the seams
- **Specialized protection:** This BioClean™ disposable coverall is manufactured using Ansell's innovative low-linting, lightweight and antistatic CleanTough™ fabric, protecting wearers against a range of chemicals*
- **Optimized fit:** This Ansell BioClean-D non-sterile coverall is also equipped with an elasticated hood, back, cuffs and ankles, as well as thumb loops to ensure a secure hold and enhanced fit



Key Features and Benefits

- **Protective flap and zip with sealable cover:** Lower contamination risks
- **CleanTough™ fabric:** For lightweight, low-linting cleanroom safety
- **Elasticated with thumb loops:** For enhanced fit and a secure hold

Industries

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



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TECHNICAL DATA SHEET

PRODUCT INFORMATION

Material	Polyethylene/ non-woven polypropylene laminate
Color	White
Audit Standards	ISO 14001, Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D, NEBB Certified Cleanrooms
Standards	ASTM F739, CE 0598, EN ISO 13688:2013, EN 1149-5:2018, EN 13934-1, EN 13935-2, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, Category III, EN ISO 13982-1:2004 + A1:2010, EN 13034:2005 + A1:2009, UKCA
Packaging Overview	• One piece aseptically folded per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton (20 pieces). Please note: Size 3XL and 4XL are 15 pieces per carton and subject to Minimum Order Quantity and lead time.
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.
Cleanroom Class	Class 10/ISO 4
Shelf Life	5 years
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

BDCHT-XS, Size: XS: Chest: 76-84cm (30"-33"), Height: 158-164cm (5'2"-5'4")
BDCHT-S, Size: S: Chest: 84-92cm (33"-36"), Height: 164-170cm (5'4"-5'6")
BDCHT-M, Size: M: Chest: 92-100cm (36"-39"), Height 170-176cm (5'6"-5'9")
BDCHT-L, Size: L: Chest: 100-108cm (39"-42"), Height: 176-182cm (5'9"-6'0")
BDCHT-XL, Size: XL: Chest: 108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")
BDCHT,2XL, Size: 2XL: Chest: 116-124cm (45"-48"), Height: 188-194cm (6'2"-6'4")
BDCHT-3XL, Size: 3XL: Chest: 124-132cm (48"-51"), Height: 194-200cm (6'4"-6'6")
BDCHT-4XL, Size: 4XL: Chest: 132-140cm (51"-54"), Height: 200-206cm (6'6"-6'8")

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MATERIAL PERFORMANCE TEST RESULTS

TEST	RESULT	PERFORMANCE CLASS	PERFORMANCE STANDARD
Abrasion Resistance	>10 cycles	1	EN 12947-2
Flex Cracking Resistance	>50,000 cycles	6	EN ISO 7854
Puncture Resistance	>5 N	1	ISO 13996
Trapezoidal Tear Resistance Cross Direction (CD)	EN ISO 9073-4	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% H₂SO₄	>90%	3	ISO 6530
Repellence to Liquids – 10% NaOH	>90%	3	ISO 6530
Repellence to Liquids – O-Xylene	>80%	2	ISO 6530
Repellence to Liquids – Butan-1-ol	>90%	3	ISO 6530
Penetration by Liquids – 30% H₂SO₄	<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
Inward leakage of aerosols of fine particles¹	Pass	N/A	EN ISO 13982-2
Resistance to penetration by spray (Spray Test)¹	Pass	N/A	EN ISO 17491-4
Seam Strength[2]	>50 N	2	ISO 13935-2
Electrostatic Charge Half Decay Time, t₅₀(secs)	Pass		EN1149-3

1. All interfaces with additional PPE were taped during testing, as required by the standards.
2. Seam not destroyed, 3. The material is static dissipative. Tested in accordance with EN1149-5.

ORDERING INFORMATION

	SIZE	XS, S, M, L, XL, 2XL	3XL, 4XL
BDCHT	REORDER NO.	BDCHT-XS, BDCHT-S, BDCHT-M, BDCHT-L, BDCHT-XL, BDCHT-2XL	BDCHT-3XL, BDCHT-4XL

Performance Standards and Regulatory Compliance

CE 0598 EN 1149-5 TYPE 5 TYPE 6

UK CA

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Please see product validation pack or contact Ansell customer service for specific data on use of garments with cytotoxic drugs. Garments used for protection against such drugs must be selected specifically for the type of chemicals used.

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