



# BioClean-D™ Sterile Coverall with Collar S-BDCCT

## Sterile, disposable coverall with collar for protection against chemicals

- **Specialized protection:** The BioClean-D Coverall with Collar S-BDCCT is made from Ansell's innovative CleanTough™ material, to deliver an antistatic coverall that is both lightweight and low-linting by design
- **Optimized fit:** This BioClean™ coverall features a collar, protective flap for splash protection and an elasticated back, cuffs, and ankles, with thumb loops to ensure a secure hold
- **Reduced contaminants risks:** This sterile coverall is manufactured in accordance with ISO cleanroom standards, for a clean, compliant disposable coverall



### Key Features and Benefits

- **CleanTough™ fabric:** For an antistatic low-linting cleanroom coverall
- **Flexible thumb loops:** Improved, secure fit
- **Protective flap and zip with sealable cover:** Fewer contamination risks

### Industries

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





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## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

|                    |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material           | CleanTough™                                                                                                                                                                                                                                                                                                                                                     |
| Audit Standards    | ISO 14001, Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D, NEBB Certified Cleanrooms                                                                                                                                                                                                                                              |
| Standards          | EN ISO 13688:2013, EN ISO 13982-1:2004 + A1:2010, EN 13034:2005 + A1:2009, ISO 16602:2007 + A1:2012, EN ISO 13982-1:2004 + A1:2010, EN ISO 14325, EN 9073-4, EN 863, EN 13935-2, EN 7854, EN 13934-1, EN 6530, EN 1149-5:2018, Category III, CE 0598                                                                                                            |
| 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: sizes 3XL, 4XL, 5XL, 6XL & 7XL 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.* |
| Country Of Origin  | China                                                                                                                                                                                                                                                                                                                                                           |
| Cleanroom Class    | Class 10/ISO Class 4 & EU GMP Grade A/B and other sterile cleanrooms                                                                                                                                                                                                                                                                                            |
| 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>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                                                                                                                                                         |
| 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. \*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-BDCCT-S; Size: S, Chest: 84-92cm (33"-36"), Height: 164-170cm (5'4"-5'6")  
S-BDCCT-M; Size: M, Chest: 92-100cm (36"-39"), Height: 170-176cm (5'6"-5'9")  
S-BDCCT-L; Size: L, Chest: 100-108cm (39"-42"), Height: 176-182cm (5'9"-6'0")  
S-BDCCT-XL; Size: XL, Chest: 108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")  
S-BDCCT-2XL; Size: 2XL, Chest: 116-124cm (45"-48"), Height: 188-194cm (6'2"-6'4")  
S-BDCCT-3XL; Size: 3XL, Chest: 124-132cm (48"-51"), Height: 194-200cm (6'4"-6'6")  
S-BDCCT-4XL; Size: 4XL, Chest: 132-140cm (51"-54"), Height: 200-206cm (6'6"-6'8")  
S-BDCCT-5XL; Size: 5XL, Chest: 140-148cm (54"-57"), Height: 206-212cm (6'8"-6'10")  
S-BDCCT-6XL; Size: 6XL, Chest: 148-156cm (58"-61"), Height: 212-218cm (6'10"-6'12")  
S-BDCCT-7XL; Size: 7XL, Chest: 156-164cm (61"-64"), Height: 218-224cm (7'1"-7'3")



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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)             | >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 <sub>2</sub> O <sub>2</sub>    | >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% H <sub>2</sub> O <sub>2</sub>   | <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 particles <sup>1</sup>    | PASS           | N/A               | EN ISO 13982-2       |
| Resistance to penetration by spray (Spray Test) <sup>1</sup> | PASS           | N/A               | EN ISO 17491-4       |
| Seam Strength <sup>2</sup>                                   | >50 N          | 2                 | ISO 13935-2          |
| Electrostatic Charge Half Decay Time, t <sub>50</sub> (secs) | PASS           | N/A               | 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        | S, M, L, XL, 2XL                                         | 3XL, 4XL, 5XL, 6XL, 7XL                                         |
|---------|-------------|----------------------------------------------------------|-----------------------------------------------------------------|
| S-BDCCT | REORDER NO. | S-BDCCT-S, S-BDCCT-M, S-BDCCT-L, S-BDCCT-XL, S-BDCCT-2XL | S-BDCCT-3XL, S-BDCCT-4XL, S-BDCCT-5XL, S-BDCCT-6XL, S-BDCCT-7XL |

For additional information visit us at [www.ansell.com](http://www.ansell.com), or call us at

### Europe, Middle East & Africa Region

Ansell Healthcare Europe NV  
T: +32 (0) 2 528 74 00  
F: +32 (0) 2 528 74 01

### Asia Pacific Region

Ansell Global Trading Center  
T: +603 8310 6688  
F: +603 8310 6699

### North America Region

Ansell Healthcare Products LLC  
US T: +1 800 800 0444  
US F: +1 800 800 0445  
CA T: +1-800-363-8340

### Latin America & Caribbean Region

Ansell Commercial Mexico S.A. de C.V.  
T: +52 442 248 1544 / 248 3133

### Australia

Ansell Limited  
T: +61 1800 337 041  
F: +61 1800 803 578

### UK

Ansell Nitritex  
T: +44 1638 663338  
F: +44 1638 668890

## Performance Standards and Regulatory Compliance



CE 0598

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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.

