



BioClean-C™ Sleeve Covers BCSC

Non-sterile cleanroom sleeve covers, for protection against chemotherapy drugs

- **Optimized protection:** BioClean™ chemotherapy-protective sleeve covers are specially developed to protect against a range of chemotherapy drugs, with ultrasonically bonded seams and protective tape, for added security
- **Guaranteed cleanliness:** These chemotherapy-protective garments are constructed from CleanTough™ material that is both lightweight and low-linting
- **Assured barrier protection:** BioClean-C™ chemotherapy-protective sleeve covers have been tested against ASTM F739-12 permeation standards
- **Maximized practicality:** These one-size-fits-all sterile sleeve covers are tailored for quick and simple donning



Key Features and Benefits

- **Ultrasonically bonded seam:** For sleeve covers that offer a secure fit
- **Lightweight, low-linting CleanTough™ fabric:** Comfort and durability
- **ASTM F739-12 compliance:** Assured permeation protection

Industries

- Controlled and Critical Environments
- Production and Manufacturing
- Laboratory and Research





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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, CE 0598, EN 13034:2005 + A1:2009, EN 13935-2, EN ISO 14325, Partial Body Protection Only, Category III |
| Storage | Store in a dry cool place 40°C away from direct sunlight and fluorescent light. |
| Country Of Origin | China |
| Cleanroom Class | Class 10/ISO 4 |
| Shelf Life | Five (5) years from date of manufacture. |
| Construction | Ultrasonically bonded seams covered with protective tape |
| Characteristics | Low particulating |

PARTICLE SHEDDING TEST RESULTS

| TEST | RESULT |
|--------------------------------------|----------------------------|
| Particle Shedding (Helmke Drum Test) | ≥ 0.5Qm (counts/min) <1700 |

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/cm ² /min |
|--------------------------|--|
| CISPLATIN | >480 |
| CARMUSTINE | >480 |
| CYCLOPHOSHAMIDE | >480 |
| DOXORUBICINHYDROCHLORIDE | >480 |
| 5-FLUOROURACIL | >480 |
| METHOTREXATE | >480 |
| ETOPOSIDE | >480 |
| PACLITAXEL | >480 |
| THIOTEPA | >456 |

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

BCSC; Size: Universal



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MATERIAL PERFORMANCE TEST RESULTS

| TEST | RESULT | PERFORMANCE CLASS | PERFORMANCE STANDARD |
|---|------------|-------------------|----------------------|
| Abrasion Resistance | >10 cycles | 1 | EN 12947-2 |
| 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 ₂ SO ₄ | >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 ₂ SO 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 ¹ | >50 N | 2 | ISO 13935-2 |

ORDERING INFORMATION

| | SIZE | BioClean-C Chemo Sleeve Covers BCSC |
|------|-------------|-------------------------------------|
| BCSC | REORDER NO. | BCSC |

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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.

