



## BioClean-C™ Apron with Sleeves BCAS

### Lightweight, non-sterile protective apron, guarding against various chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron with Sleeves BCAS is tested to permeation standard ASTM F739-12, ensuring personal protection against various chemotherapy drugs
- **Reduced weight and contamination risks:** Thanks to its CleanTough™ material, this safety apron is lightweight and remains low-linting, thereby reducing contamination risks
- **Enhanced strength:** Equipped with protective tape and ultrasonically bonded, this cytotoxic drug-resistant work apron is also sturdy and dependable
- **Improved fit and adjustability:** With an adjustable neck fastening and tie tapes at the rear, this chemical-resistant apron allows wearers to find a comfortable, consistent fit for them



#### Key Features and Benefits

- **Permeation standard ASTM F739-12:** Protection from cytotoxic drugs
- **CleanTough™ material:** Low-linting, lightweight, reduced contamination
- **Ultrasonically bonded seams:** Heightened strength and protection

#### Industries

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





# BioClean-C™ Apron with Sleeves BCAS

## 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 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 9073-4, EN ISO 14325, Partial Body Protection Only, Category III, EN 13034:2005 + A1:2009, EN 14605:2005 + A1:2009, UKCA                                                                                                                                                                                                                                                            |
| Packaging Overview | One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 40 outer bags per lined carton (40 pieces).<br><b>More sustainable packaging:</b> Packed in recyclable plastic packaging and delivered in recycled cardboard shipper cases. Inner and outer bags and liner are made from polyethylene (PE) based film. Always check your local recyclable status as these materials may not be considered suitable for recycling in your location. |
| 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 4                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Shelf Life         | Five (5) years from date of manufacture.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Construction       | Ultrasonically bonded sleeve seams with protective tape & 100% polyester cuffs.                                                                                                                                                                                                                                                                                                                                                                              |
| 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<br>Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 Qg/cm <sup>2</sup> /min |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CISPLATIN                | >480                                                                                                                                                                   |
| CARMUSTINE               | >480                                                                                                                                                                   |
| CYCLOPHOSAMIDE           | >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

BCAS-S: Size: S, Chest: 84-92cm (33"-36"), Height:164-170cm (5'4"-5'6")  
BCAS-M: Size: M, Chest: 92-100cm (36"-39"), Height:170-176cm (5'6"-5'9")  
BCAS-L: Size: L, Chest:100-108cm (39"-42"), Height:176-182cm (5'9"-6'0")  
BCAS-XL: Size: XL, Chest:108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")



# BioClean-C™ Apron with Sleeves BCAS

## MATERIAL PERFORMANCE TEST RESULTS

| TEST                                                       | RESULT     | PERFORMANCE CLASS | PERFORMANCE STANDARD |
|------------------------------------------------------------|------------|-------------------|----------------------|
| Abrasion Resistance                                        | >10 cycles | 1                 | EN 12947-2           |
| Puncture Resistance                                        | >5 N       | 1                 | ISO 863              |
| 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                           | >90%       | 3                 | 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             |
| Seam Strength <sup>1</sup>                                 | >50 N      | 2                 | ISO 13935-2          |

## ORDERING INFORMATION

|      | SIZE        | S, M, L, XL                     |
|------|-------------|---------------------------------|
| BCAS | REORDER NO. | BCAS-S, BCAS-M, BCAS-L, BCAS-XL |

### Performance Standards and Regulatory Compliance



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



Ansell, ® and ™ are trademarks owned by Ansell Limited or one of its affiliates. US Patented and US and non-US Patents Pending: [www.ansell.com/patentmarking](http://www.ansell.com/patentmarking) © 2025 Ansell Limited. All Rights Reserved.

Neither this document nor any other statement made herein by or on behalf of Ansell should be construed as a warranty of merchantability or that any Ansell product is fit for a particular purpose. Ansell assumes no responsibility for the suitability or adequacy of an end user's selection of gloves for a specific application.

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.

