



# BioClean-C™ Apron BCDA

## Lightweight, non-sterile protective apron, guarding against a range of chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron BCDA is an ideal choice as a chemotherapy protective apron as it is tested against a wide range of chemotherapy drugs
- **Reduced weight and contamination risks:** This protective apron is made from lightweight and low-linting material
- **Enhanced fit:** Designed with an adjustable neck fastening and tie tapes at the rear, this protective apron offers wearers a comfortable fit and easy donning

### Key Features and Benefits

- **Chemotherapy drug tested:** Ideal for chemotherapy drug handling
- **CleanTough™ material:** Lightweight and low-linting
- **Tie tapes and neck fastening:** Enhanced fit and easy donning

### Industries

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





# BioClean-C™ Apron BCDA

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Material</b>           | CleanTough™  |
| <b>Audit Standards</b>    | Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D   |
| <b>Standards</b>          | ASTM F739, CE 0598, EN 13034:2005 + A1:2009, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, Partial Body Protection Only, Category III, EN 14605:2005 + A1:2009  |
| <b>Packaging Overview</b> | One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 50 outer bags per lined carton (50 pieces)   |
| <b>Storage</b>            | 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. |
| <b>Country Of Origin</b>  | China  |
| <b>Shelf Life</b>         | Five (5) years from date of manufacture.   |
| <b>Construction</b>       | Adjustable neck, tie fastening at waist  |

### 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                | >240   |
| CARMUSTINE               | >240   |
| CYCLOPHOSAMIDE           | >240   |
| DOXORUBICINHYDROCHLORIDE | >240   |
| 5-FLUOROURACIL           | >240   |
| METHOTREXATE             | >240   |
| ETOPOSIDE                | <6   |
| PACLITAXEL               | >240   |
| THIOTEPA                 | 55 (46,88,31)  |

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

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



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## MATERIAL PERFORMANCE TEST RESULTS

| TEST  | RESULT           | PERFORMANCE CLASS |
|---|------------------|-------------------|
| Abrasion Resistance   | 10 to 100 cycles | 1                 |
| Puncture Resistance   | 10 N             | 1                 |
| Trapezoidal Tear Resistance Cross Direction (CD)            | CD 32.3 N        | 2                 |
| Trapezoidal Tear Resistance Machine Direction (MD)          | MD 50.6 N        | 3                 |
| Tensile Strength Cross Direction (CD)                       | CD 47 N          | 1                 |
| Tensile Strength Machine Direction (MD)                     | MD 94 N          | 2                 |
| Repellence to Liquids - 30% H <sub>2</sub> SO <sub>4</sub>  | 99.0%            | 3                 |
| Repellence to Liquids - 10% NaOH                            | 98.4%            | 3                 |
| Repellence to Liquids - O-Xylene                            | 91.4%            | 1                 |
| Repellence to Liquids - Butan-1-ol                          | 93.9%            | 3                 |
| Penetration by Liquids - 30% H <sub>2</sub> SO <sub>4</sub> | 0%               | 3                 |
| Penetration by Liquids - 10% NaOH                           | 0%               | 3                 |
| Penetration by Liquids - O-Xylene                           | 0%               | 3                 |
| Penetration by Liquids - Butan-1-ol                         | 0%               | 3                 |
| Seam Strength <sup>1</sup>                                  | 74 N             | 2                 |

1. Seam not destroyed

## ORDERING INFORMATION

| BCDA | SIZE        | S, M, L                |
|------|-------------|------------------------|
|      | REORDER NO. | BCDA-S, BCDA-M, BCDA-L |

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## Performance Standards and Regulatory Compliance



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