



# BioClean-C™ Apron with Sleeves - Sterile S-BCAS

## Sterile lightweight protective apron, guarding against a range of chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron with Sleeves - Sterile S-BCAS is an ideal choice as a chemotherapy protective apron, as it is tested against a wide range of chemotherapy drugs
- **Reduced contamination risks:** This protective apron is made from lightweight, low-linting material
- **Added strength:** Ultrasonically bonded with protective tape, this protective apron is ideal for protection against chemotherapy drugs
- **Enhanced fit:** With an adjustable neck fastening and tie tapes at the rear, it allows wearers to find a comfortable, consistent fit for them



### Key Features and Benefits

- **Permeation standard ASTM F739-12:** Resistance to varied cytotoxic drugs
- **CleanTough™ material:** Lightweight, low-linting, contamination-limiting
- **Ultrasonically bonded seams with protective tape:** Added protective coverage against a wide range of chemotherapy drugs

### 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 1149-5:2008, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, ISO 11137-1:2006, Partial Body Protection Only, Category III, EN 14605:2005 + A1:2009, EN 13034:2005 + A1:2009
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)
Storage	Store in a dry cool place 40°C away from direct sunlight and fluorescent light.
Country Of Origin	China
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10 <sup>-6</sup>
Cleanroom Class	Class 10/ISO 4 & EU GMP Grade A
Shelf Life	Three (3) years from date of manufacture.
Construction	Ultrasonically bonded sleeve seams with protective tape & 100% polyester elasticated cuffs.
Characteristics	Low particulating

### PARTICLE SHEDDING TEST RESULTS

TEST	RESULT
Particle Shedding (Helmke Drum Test)	≥ 0.5µm (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 µg/cm <sup>2</sup> /min
CISPLATIN	>480
CARMUSTINE	>240
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 Size: (5'4"-5'6")  
BCAS-M: Size: M, Chest: 92-100cm (36"-39"), Height:170-176cm Size: (5'6"-5'9")  
BCAS-L: Size: L, Chest:100-108cm (39"-42"), Height:176-182cm Size:(5'9"-6'0")  
BCAS-XL: Size: XL, Chest:108-116cm (42"-45"), Height: 182-188cm Size:(6'0"-6'2")



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## MATERIAL PERFORMANCE TEST RESULTS

TEST	RESULT	PERFORMANCE CLASS
Abrasion Resistance	>10 cycles	1
Puncture Resistance	>5 N	1
Trapezoidal Tear Resistance Cross Direction (CD)	>10 N	2
Trapezoidal Tear Resistance Machine Direction (MD)	>10 N	3
Tensile Strength Cross Direction (CD)	>30 N	1
Tensile Strength Machine Direction (MD)	>30 N	2
Repellence to Liquids – 30% H <sub>2</sub> SO <sub>4</sub>	>90%	3
Repellence to Liquids – 10% NaOH	>90%	3
Repellence to Liquids – O-Xylene	>90%	1
Repellence to Liquids – Butan-1-ol	>90%	3
Penetration by Liquids – 30% H <sub>2</sub> SO <sub>4</sub>	<1%	3
Penetration by Liquids – 10% NaOH	<1%	3
Penetration by Liquids – O-Xylene	<1%	3
Penetration by Liquids – Butan-1-ol	<1%	3
Seam Strength <sup>1</sup>	>50 N	2

## ORDERING INFORMATION

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

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

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## Performance Standards and Regulatory Compliance



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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.

