



# BioClean-C™ Apron - Sterile S-BCDA

## Chemotherapy Protective Apron - Sterile

Providing protection against a range of chemotherapy drugs, the BioClean-C Chemotherapy Protective Apron is manufactured from lightweight low-linting CleanTough blue material, and features tie tapes at the rear and an adjustable neck fastening for easy donning and comfort.

- Tested against permeation standard ASTM F739-12
- Tie tapes at rear
- Adjustable neck fastening
- Lightweight low-linting CleanTough material



### Industries

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





# BioClean-C™ Apron - Sterile S-BCDA

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

	S-BCDA
Material	Polyethylene/non-woven polypropylene laminate
Color	Blue
Manufacturing/QMS Audit Standards	Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D
Regulatory/Standards Compliance	ASTM F739, CE 0598, ISO 11137-1:2006, EN 13034:2005 + A1:2009, EN 13934-1, EN 19935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 13688:2013, EN ISO 14325, Category III
Storage and packaging	One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 50 outer bags per lined carton (50 pieces)
Country of Origin	China
Available sizes	S-L
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	Adjustable neck, tie fastening at waist
Characteristics	Low particulating

### MATERIAL PERFORMANCE TEST RESULTS

TEST	RESULT	PERFORMANCE CLASS
Abrasion Resistance	10 to 100 cycles	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
Puncture Resistance	10 N	1
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



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## 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	>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.

## SIZE CHART

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

## ORDERING INFORMATION

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

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## Performance Standards and Regulatory Compliance



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