



BioClean-C™ Apron - Sterile S-BCDA

Sterile lightweight protective apron, guarding against various chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron - Sterile S-BCDA satisfies permeation standard ASTM F739-12, meaning it is an ideal protective apron against various chemotherapy drugs
- **Reduced weight and contamination risks:** This safety apron is designed using lightweight CleanTough™ material, minimizing contamination risks due to its low-linting nature
- **Improved fit:** Equipped with tie tapes and an adjustable neck fastening, this protective work apron offers users the possibility of finding a suitable fit and simplifies the donning process
- **Permeation standard ASTM F739-12:** Chemotherapy drug resistance
- **CleanTough™ material:** Low-linting, lightweight and contaminant-reducing
- **Neck fastening and tie tapes:** Stress-free donning and improved fit



Industries

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





BioClean-C™ Apron - Sterile S-BCDA

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, ISO 11137-1:2006, EN 13034:2005 + A1:2009, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 13688:2013, EN ISO 14325, Category III
Packaging Overview	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
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10 ⁻⁶
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 ₂ SO ₄	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 ₂ SO ₄	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 ¹	74 N	2

1. Seam not destroyed



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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	>240
CARMUSTINE	>240
CYCLOPHOSHAMIDE	>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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