BioClean-C™ Apron - Sterile S-BCDA

Sterile lightweight protective apron, guarding against various chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron - Sterile S-BCDA 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 and low linting material
- **Enhanced fit:** Designed with an adjustable neck fastening and tie tapes at the rear, this protective apron enables wearers to don with ease and fit comfortably
- **Sterility assurance:** It is also sterilized by gamma irradiation, with sterility assurance level (SAL) of 10-6

Key Features and Benefits

- **Chemotherapy drug tested:** Perfect for cytotoxic drug handling
- **CleanTough™ material:** Low-linting and lightweight
- **Neck fastening and tie tapes:** Easier donning and an 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 14325, Partial Body Protection Only, Category III, EN 14605:2005 + A1:2009
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)
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^{-6}
Cleanroom Class	Class 10/ISO Class 4 & EU GMP Grade A/B and other sterile cleanrooms
Shelf Life	Three (3) years from date of manufacture.
Construction	Adjustable neck, tie fastening at waist
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 Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 Qg/cm2 /min
CISPLATIN	>480
CARMUSTINE	>240
CYCLOPHOSHAMIDE	>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

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")

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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_2SO_4	>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_2SO_4	<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[1]	>50 N	2

ORDERING INFORMATION

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

Performance Standards and Regulatory Compliance

CE 0598 ISO 11137-1 TYPE PB [6] PARTIAL BODY PROTECTION ONLY

EN 14605:2005 +A1:2009 TYPE PB4

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