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 13034:2005 + A1:2009, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, 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)
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	>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")

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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_2SO_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_2SO_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

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] TYPE PB [6]

EN 14605:2005 +A1:2009 TYPE PB4

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