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 safety apron against various chemotherapy drugs
- **Reduced weight and contamination risks:** This work 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 chemical-resistant apron offers users the possibility of finding a suitable fit and simplifies the donning process

Key Features and Benefits

- **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 14325, Partial Body Protection Only, Category III, EN 14605:2005 + A1:2009, UKCA
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) **More sustainable packaging:** Packed in recyclable plastic packaging and delivered in recycled cardboard shipper cases. Inner and outer bags and liner are made from polyethylene (PE) based film. Always check your local recyclable status as these materials may not be considered suitable for recycling in your location.
Storage	Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials.
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)	≥ 0.5µm (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/cm2 /min
CISPLATIN	>480
CARMUSTINE	>480
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	PERFORMANCE STANDARD
Abrasion Resistance	>10 cycles	1	EN 12947-2
Puncture Resistance	>5 N	1	EN 863
Trapezoidal Tear Resistance Cross Direction (CD)	>10 N	1	EN ISO 9073-4
Trapezoidal Tear Resistance Machine Direction (MD)	>10 N	1	EN ISO 9073-4
Tensile Strength Cross Direction (CD)	>30 N	1	EN ISO 13934-1
Tensile Strength Machine Direction (MD)	>30 N	1	EN ISO 13934-1
Repellence to Liquids – 30% H₂SO₄	>90%	3	ISO 6530
Repellence to Liquids – 10% NaOH	>90%	3	ISO 6530
Repellence to Liquids – O-Xylene	>90%	3	ISO 6530
Repellence to Liquids – Butan-1-ol	>90%	3	ISO 6530
Penetration by Liquids – 30% H₂SO₄	<1%	3	ISO 6530
Penetration by Liquids – 10% NaOH	<1%	3	ISO 6530
Penetration by Liquids – O-Xylene	<1%	3	ISO 6530
Penetration by Liquids – Butan-1-ol	<1%	3	ISO 6530
Seam Strength[1]	>50 N	2	ISO 13935-2

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 UKCA

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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.

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