BioClean-C™ Apron with Sleeves BCAS

Lightweight, non-sterile protective apron, guarding against various chemotherapy drugs

- **Assured protection:** The BioClean-C™ Apron with Sleeves BCAS is tested to permeation standard ASTM F739-12, ensuring personal protection against various chemotherapy drugs
- **Reduced weight and contamination risks:** Thanks to its CleanTough™ material, this safety apron is lightweight and remains low-linting, thereby reducing contamination risks
- **Enhanced strength:** Equipped with protective tape and ultrasonically bonded, this cytotoxic drug-resistant work apron is also sturdy and dependable
- **Improved fit and adjustability:** With an adjustable neck fastening and tie tapes at the rear, this chemical-resistant apron allows wearers to find a comfortable, consistent fit for them

Key Features and Benefits

- **Permeation standard ASTM F739-12:** Protection from cytotoxic drugs
- **CleanTough™ material:** Low-linting, lightweight, reduced contamination
- **Ultrasonically bonded seams:** Heightened strength and protection

Industries

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

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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, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 9073-4, EN ISO 14325, Partial Body Protection Only, Category III, EN 13034:2005 + A1:2009, EN 14605:2005 + A1:2009, UKCA
Packaging Overview	One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 40 outer bags per lined carton (40 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
Cleanroom Class	Class 10/ISO 4
Shelf Life	Five (5) years from date of manufacture.
Construction	Ultrasonically bonded sleeve seams with protective tape & 100% polyester cuffs.
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

BCAS-S: Size: S, Chest: 84-92cm (33"-36"), Height:164-170cm (5'4"-5'6")
BCAS-M: Size: M, Chest: 92-100cm (36"-39"), Height:170-176cm (5'6"-5'9")
BCAS-L: Size: L, Chest:100-108cm (39"-42"), Height:176-182cm (5'9"-6'0")
BCAS-XL: Size: XL, Chest:108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")

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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	ISO 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, XL
BCAS	REORDER NO.	BCAS-S, BCAS-M, BCAS-L, BCAS-XL

Performance Standards and Regulatory Compliance

CE 0598 · PARTIAL BODY PROTECTION ONLY · TYPE PB [6] · EN 14605:2005 +A1:2009 TYPE PB4

UK CA

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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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