

# BIOCLEAN-D STERILE COVERALL with Collar S-BDCCT

## About

The BioClean-D Coverall with collar features a front zip with protective flap, elasticated back, cuffs and ankles, and thumb loops to ensure a secure hold. The antistatic lightweight low-linting CleanTough material provides comfort and protection from a range of chemicals.

## Specifications

### MATERIAL:

Antistatic BioClean-D CleanTough white material

### COLOUR:

White

### CONSTRUCTION:

Bound seams with single needle stitching

### CLASSIFICATION:

PPE Cat 3 Type 5 & 6

### CHARACTERISTICS:

Antistatic to EN 1149-5\* & low particulating

### COMPATIBILITY:

ISO Class 4 & EU GMP Grade A

### STERILIZATION:

Gamma irradiation

**PPE CAT 3 TYPE 5 & 6**

**EXCELLENT ESD  
PROPERTIES**

**LIGHTWEIGHT & LOW-  
LINTING**

## Features

- Antistatic lightweight low-linting CleanTough material
- Thumb loops to ensure a secure hold
- Zip with sealable cover
- Elasticated back, cuffs and ankles



Billy Bioclean® represents Bioclean's GMP compatible disposable garments

## Quality Standards

- Manufactured in a facility holding ISO 9001:2008 and 89/686/EEC Article 11b certifications
- Conforms to Category 3 - Complex Design Personal Protective Equipment PPE Directive 89/686/EEC
- Tested against standard EN ISO 13982-1 protective clothing for use against solid particles (Type 5)
- Tested against standard EN ISO 13034 protective clothing against liquid chemicals (Type 6)
- Tested against standard EN ISO 14325 protective clothing against chemicals
- Tested against permeation standard ASTM F739-12
- Tested against standards: EN 1149-5\*, protective clothing - electrostatic properties; EN 530, Abrasion resistance; EN 7854, Flex cracking resistance; EN 6530, Resistance to penetration by liquids; EN 13934-1, Tensile strength; EN 9073-4, Trapezoidal tear resistance; EN 863, Puncture resistance; and EN 13935-2, Seam strength.
- Processed in an NEBB certified ISO Class 4 environment
- Sterilized in accordance with ISO 11137-1:2006

## Sterilization

Method: Gamma irradiation  
 Minimum Dose: 25kGy  
 Sterility Assurance Level:  $10^{-6}$

## Shelf Life & Storage

Three (3) years from date of manufacture. Store in a dry, cool place (<40°C) away from direct sunlight and fluorescent light.

## Performance Test Results – BioClean-D CleanTough White Material

TEST	RESULT		PERFORMANCE CLASS (EN 14325)
Abrasion Resistance	10 to 100 cycles		1
Flex Cracking Resistance	5,000 to 15,000 cycles		3
Trapezoidal Tear Resistance	CD 29.3 N		2
Trapezoidal Tear Resistance	MD 55.5 N		3
Tensile Strength	MD 97 N		2
Tensile Strength	CD 48 N		1
Puncture Resistance	8 N		1
Repellence to Liquids	30% H <sub>2</sub> SO <sub>4</sub>	96.3%	3
	10% NaOH	97.6%	3
	O-Xylene	95.7%	3
	Butan-1-ol	96.6%	3
Penetration by Liquids	30% H <sub>2</sub> SO <sub>4</sub>	0%	3
	10% NaOH	0%	3
	O-Xylene	0%	3
	Butan-1-ol	0%	3
Inward leakage of aerosols of fine particles <sup>1</sup>	Pass		N/A
Resistance to penetration by spray (Spray Test) <sup>1</sup>	Pass		N/A
Seam Strength <sup>2</sup>	70 N		2
Electrostatic Charge Half Decay Time, t <sub>50</sub> (secs)	0.07		PASS

<sup>1</sup>All interfaces with additional PPE were taped during testing, as required by the standards.

<sup>2</sup>Seam not destroyed.

## Particle Shedding Test Results

TEST	RESULT	CATEGORY (IEST-RP-CC003.3)
Particle Shedding (Helmke Drum Test)	<2000	Category I

## BioClean-D™ CleanTough White Material - ASTM F739-12 Test Method Results

Mean Breakthrough Time (MBT), Minutes

Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 µg/cm<sup>2</sup>/min

CISPLATIN	CARMUSTINE	CYCLO- PHOSPHA- MIDE	DOXO- RUBICIN HYDRO- CHLORIDE	5- FLURO- URACIL	METHO- TREXATE	ETOPOSIDE	PACLITAXEL	THIOTEPA
>240	<6	217 (275,162,215)	>240	>240	>240	>240	<10	30 (28,30,33)

Results achieved under controlled laboratory conditions, by accredited external testing laboratory.

## TO ORDER

Re-Order	Chest	Height	Size
S-BDCCT-S	84-92cm (33"-36")	164-170cm (5'4"-5'6")	S
S-BDCCT-M	92-100cm (36"-39")	170-176cm (5'6"-5'9")	M
S-BDCCT-L	100-108cm (39"-42")	176-182cm (5'9"-6'0")	L
S-BDCCT-XL	108-116cm (42"-45")	182-188cm (6'0"-6'2")	XL
S-BDCCT-XXL	116-124cm (45"-48")	188-194cm (6'2"-6'4")	XXL
S-BDCCT-XXXL	124-132cm (48"-51")	194-200cm (6'4"-6'6")	XXXL
S-BDCCT-XXXXL	132-140cm (51"-54")	200-206cm (6'6"-6'8")	XXXXL
S-BDCCT-5XL	140-148cm (54"-57")	206-212cm (6'8"-6'10")	5XL
S-BDCCT-6XL	148-156cm (58"-61")	212-218cm (6'10"-6'12")	6XL
S-BDCCT-7XL	156-164cm (61"-64")	218-224cm (7'1"-7'3")	7XL

### Packing

One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton (20 pieces).  
Please note: sizes XXXL, XXXXL, 5XL, 6XL & 7XL 15 pieces per carton and subject to minimum order quantity and lead time.

\*NOTE: BioClean CleanTough material is static dissipative and, with a charge half decay time of 0.07 sec, and so are ideal for use in a static-safe environment

For additional information visit us at [www.bioclean.com](http://www.bioclean.com), or call us at +44 1638 663338

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**Ansell**

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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.

