



## BioClean-D™ Sterile Kit S-BDKM

### Sterile coverall featuring a collar, hood, overboots and integrated face mask

- **Added features:** The BioClean-D Sterile Kit S-BDKM features a disposable coverall, overboots with a slip-resistant sole, a hood and an integrated face mask, delivering head-to-toe personal protection
- **Optimized packaging:** All garments are presented in a single package, making handling more convenient and minimizing overall packaging waste
- **Enhanced fit:** The BioClean™ coverall included in this kit is designed with a front zip, elasticated back, cuffs, and ankles, offering a comfortable fit, while thumb loops ensure a secure hold
- **Reduced contamination risks:** As it is made from CleanTough™ material, which is both lightweight and low-linting, this sterile coverall is ideal for cleanroom use



#### Key Features and Benefits

- **Hood with integrated face mask:** Added product and personal protection
- **Single kit for all garments:** Lesser overall packaging waste
- **Slip-resistant sole:** Reduced risk of workplace injuries

#### Industries

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





# BioClean-D™ Sterile Kit S-BDKM

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

Material	CleanTough™
Color	White
Audit Standards	ISO 9001
Standards	CE 0598, EN 1149-5:2008, EN 13935-2, EN 13034:2005 + A1:2009, EN ISO 13982-1:2004 + A1:2010, ISO 11137-1:2006, ISO 9001:2015, Category III, EN ISO 13982-1:2004 + A1:2010, EN 13034:2005 + A1:2009
Packaging Overview	S - 2XL: One hood with integrated face mask, one coverall with collar, and one pair of overboots per sealed inner bag; one inner bag per sealed outer PE bag; 15 outer bags (kits) per carton 3XL and above: One hood with integrated face mask, one coverall with collar, and one pair of overboots per sealed inner bag; one inner bag per sealed outer PE bag; 12 outer bags (kits) per carton  All sizes subject to MOQ (Minimum Order Quantity) and extended lead time.
Country Of Origin	Malaysia
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10 <sup>-6</sup>
Cleanroom Class	Class 10/ISO 4 & EU GMP Grade A
Shelf Life	Three (3) years from date of manufacture. Store in a dry, cool place (<40°C) away from direct sunlight and fluorescent light.
Construction	Hood Elasticated face opening, reinforced edges with incorporated facemask Coverall Zip front with flap cover. Thumb loops on wrist Elasticated back, cuffs and ankles Overboots Elasticated top with secure ties and slip-resistant soles
Characteristics	*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.

### PARTICLE SHEDDING TEST RESULTS

TEST	RESULT
Particle Shedding (Helmke Drum Test)	≥ 0.5Qm (counts/min) <2000

### ASTM F739-12 TEST METHOD RESULTS

DRUG	Mean Breakthrough Time (MBT), Minutes
CISPLATIN	>240
CARMUSTINE	<6
CYCLOPHOSAMIDE	217 (275, 162, 215)
DOXORUBICINHYDROCHLORIDE	>240
5-FLUOROURACIL	>240
METHOTREXATE	>240
ETOPOSIDE	>240
PACLITAXEL	<10
THIOTEPA	30 (28, 30, 33)

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

### SIZE CHART

S-BDKM-S; Size: S, Chest: 84-92cm (33"-36"), Height: 164-170cm (5'4"-5'6")  
S-BDKM-M; Size: M, Chest: 92-100cm (36"-39"), Height: 170-176cm (5'6"-5'9")  
S-BDKM-L; Size: L, Chest: 100-108cm (39"-42"), Height: 176-182cm (5'9"-6'0")  
S-BDKM-XL; Size: XL, Chest: 108-116cm (42"-45"), Height: 182-188cm (6'0"-6'2")  
S-BDKM-XXL; Size: XXL, Chest: 116-124cm (45"-48"), Height: 188-194cm (6'2"-6'4")  
S-BDKM-XXXL; Size: XXXL, Chest: 124-132cm (48"-51"), Height: 194-200cm (6'4"-6'6")  
S-BDKM-XXXXL; Size: XXXXL, Chest: 132-140cm (51"-54"), Height: 200-206cm (6'6"-6'8")



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## MATERIAL PERFORMANCE TEST RESULTS

TEST	RESULT	PERFORMANCE CLASS
Abrasion Resistance	10 to 100 cycles	1
Flex Cracking Resistance	5,000 to 15,000 cycles	3
Puncture Resistance	8 N	1
Trapezoidal Tear Resistance Cross Direction (CD)	CD 29.3 N	2
Trapezoidal Tear Resistance Machine Direction (MD)	MD 55.5 N	3
Tensile Strength Cross Direction (CD)	MD 55.5 N	1
Tensile Strength Machine Direction (MD)	MD 97 N	2
Repellence to Liquids – 30% H <sub>2</sub> SO <sub>4</sub>	96.3%	3
Repellence to Liquids – 10% NaOH	97.6%	3
Repellence to Liquids – O-Xylene	95.7%	2
Repellence to Liquids – Butan-1-ol	96.6%	3
Penetration by Liquids – 30% H <sub>2</sub> SO <sub>4</sub>	0%	3
Penetration by Liquids – 10% NaOH	0%	3
Penetration by Liquids – O-Xylene	0%	3
Penetration by Liquids – 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

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

2. Seam not destroyed.

## ORDERING INFORMATION

	SIZE	BioClean-D Sterile Anti-Static Kit	BioClean-D Sterile Anti-Static Kit
S-BDKM	REORDER NO.	S, M, L, XL, 2XL	3XL, 4XL

### Performance Standards and Regulatory Compliance



For additional information visit us at [www.ansell.com](http://www.ansell.com), or call us at

#### Europe, Middle East & Africa Region

Ansell Healthcare Europe NV  
T: +32 (0) 2 528 74 00  
F: +32 (0) 2 528 74 01

#### Asia Pacific Region

Ansell Global Trading Center  
T: +603 8310 6688  
F: +603 8310 6699

#### North America Region

Ansell Healthcare Products LLC  
US T: +1 800 800 0444  
US F: +1 800 800 0445  
CA T: +1-800-363-8340

#### Latin America & Caribbean Region

Ansell Commercial Mexico S.A. de C.V.  
T: +52 442 248 1544 / 248 3133

#### Australia

Ansell Limited  
T: +61 1800 337 041  
F: +61 1800 803 578

#### UK

Ansell Nitritex  
T: +44 1638 663338  
F: +44 1638 668890



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