

## **Superior High Consequence Infectious Disease Protection**

ViroGuard<sup>®</sup> is designed to protect healthcare workers who are providing care to a patient with confirmed Ebola or another HCID or PUI who is clinically stable and does not have bleeding, vomiting, or diarrhea, i.e. a dry patient.

ViroGuard® fabric passes ASTM F1670 and ASTM F1671 for blood and bloodborne pathogens.

#### **Available Garments**

Blue Coverall with



Attached Hood & Boots, Storm Flap **Zipper Cover** #2404 Small - 5X

25 per case

**Physical Properties** 

Tensile Strength - Machine Direction

**Tensile Strength - Cross Direction** 

Trapezoidal Tear - Machine Direction

Trapezoidal Tear - Cross Direction

Elongation - Machine Direction

**Elongation - Cross Direction** 

Mullen Burst

**TEST CONDUCTED** 



**TEST METHOD** 

ASTM D5034

**ASTM D5034** 

ASTM D5587

#### **ViroGuard**®

RESULTS

46 lbs

79.1 lbs

13.2 lbs



Small - 5X 25 per case

# #2407



**Coverall with Boots Only,** Latex-Free Elastic Wrists, Thumb & Middle Finger Loops at Cuff, **Zipper Front with Sealable Storm** Flap, Double-sided tape at wrists for glove adhesion, Mandarin collar with Velcro® closure at neck, Red fabric pull tab on Zipper, Taped Seams

#W2501 Small - 4XL 25 per case



Seams, Latex-Free Elastic Face, Hook & Loop closure #W2561 Universal size 100 per case

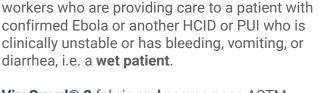




#W2506-XL Height: 23' 100 per case



### Additional Testing on Following Page



ViroGuard® 2 fabric and seams pass ASTM F1670 and F1671 for blood, bodily fluids, and bloodborne pathogens.

ViroGuard® 2 is designed to protect healthcare

#### **Available Garments**



White Coverall, Latex-Free Elastic Wrists & Ankles, Thumb & Middle Finger Loops at Cuff, **Zipper Front with Sealable** Storm Flap, Double-sided Tape at Wrists for glove Adhesion, Mandarin collar with Velcro® closure at neck, Red fabric pull tab on Zipper, Taped Seams

White Boot Cover, Latex-Free

Elastic Top & Ankle, Skid-**Resistant Sole, Taped Seams** 

ViroGuard® 2

#W2502 Small - 4XL 25 per case



## Viroguard<sup>®</sup> Test Data

#### **Agent Testing**

| AGENT  | TEST METHOD  | TEST TIME    | RESULTS |
|--|--------------|--------------|---------|
| Carbon Disulfide (99%)                         | ASTM F 903   | > 60 minutes | Pass    |
| Dichloromethane (99%)                          | ASTM F 903   | > 60 minutes | Pass    |
| N-Hexane (99%)                                 | ASTM F 903   | > 60 minutes | Pass    |
| Sodium Hydroxide (50%)                         | ASTM F 903   | > 60 minutes | Pass    |
| Sodium Hypochlorite (6%)<br>(Household Bleach) | ) ASTM F 903 | > 60 minutes | Pass    |
| Sulfuric Acid (97%)                            | ASTM F 903   | > 60 minutes | Pass    |
| Tetrahydrofuran (99%)                          | ASTM F 903   | > 60 minutes | Pass    |

| BARRIER PROPERTIES   | TEST METHOD | RESULTS  |  |
|----------------------|-------------|----------|--|
| Hydrohead            | AATCC-127   | 255.2 cm |  |
| Blood Penetration    | ASTM F1670  | Pass     |  |
| Bloodborne Pathogens | ASTM F1671  | Pass     |  |





## ViroGuard<sup>®</sup> 2 Test Data

| AGENT                | TEST       | COMPONENT | RESULT |
|----------------------|------------|-----------|--------|
| Blood                | ASTM F1670 | Fabric    | Pass   |
| Bloodborne Pathogens | ASTM F1671 | Fabric    | Pass   |
| Blood                | ASTM F1670 | Seams     | Pass   |
| Bloodborne Pathogens | ASTM F1671 | Seams     | Pass   |

| PHYSICAL PROPERTY                            | TEST       | RESULT    |
|--|------------|-----------|
| Weight                                       | ASTM D3776 | 2.7 oz/y² |
| Tensile Strength, Machine Direction          | ASTM D5034 | 37.1 lbs  |
| Tensile Strength, Cross Direction            | ASTM D5034 | 27.5 lbs  |
| Tear Strength, Machine Direction (Trapezoid) | ASTM D1117 | 12.8 lbs  |
| Tear Strength, Cross Direction (Trapezoid)   | ASTM D1117 | 6.8 lbs   |
| Ball Burst Strength                          | ASTM D3787 | 35 lbs    |
| Air Permeability                             | ASTM D737  | <0.55 cfm |

#### Features developed with healthcare workers' input:



Thumb & Finger Loops Prevents sleeves from riding up to prevent skin exposure.



Mandarin collar with Velcro closure Adjustable collar creates a better seal around the neck.



Double-sided tape around the wrists Helps keep gloves in place.



Zipper front with sealable storm flap - has starter tab for tape

Easier for a gloved hand to pull & expose the tape for sealing storm flap.



Large zipper pull with red fabric pull tab Easier to see and grab.



Visible sizing tag Helps materials management teams identify size easily when suits are removed from the box.