

## Sani-Cloth® Plus

GERMICIDAL DISPOSABLE CLOTH

EPA Reg. No. 9480-6



### PRODUCT DESCRIPTION

**Sani-Cloth® Plus** Germicidal Disposable Cloth is a pre-moistened nonwoven durable wipe containing a quaternary based solution. Recommended for use in hospitals and other critical care areas where the control of the hazards of cross-contamination between treated surfaces is required. Use on hard, nonporous surfaces and equipment made of stainless steel, plastic, Formica® and glass.

### CHEMICAL COMPOSITION

#### Active Ingredients:

n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides . . . . .	0.125%
n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides . . .	0.125%
Other Ingredients . . . . .	99.750%
TOTAL (Does not include the weight of the cloth) . . . . .	100.000%

Each cloth is nominally saturated with 2,500 ppm of active quaternary ammonium chlorides.

**EFFICACY**  
**BACTERIAL ORGANISM EFFICACY**

**ORGANISMS:** *Campylobacter jejuni* [ATCC 29428]  
*Escherichia coli (E.coli)* O157:H7 [ATCC 35150]  
*Escherichia coli (E.coli)* [ATCC 11229]  
Methicillin Resistant *Staphylococcus aureus* MRSA [ATCC 33592]  
*Pseudomonas aeruginosa* [ATCC 15442]  
*Salmonella enterica* [ATCC 10708]  
*Staphylococcus aureus* [ATCC 6538]  
Vancomycin Resistant *Enterococcus faecalis* VRE [ATCC 51299]

Test Method Used: AOAC Germicidal Spray Slide Test-5% Horse Serum as organic soil  
Exposure Time: 3 minutes at 68°-76° F  
Incubation: 48 hours at 98.6°F  
Results: No growth observed

**VIRAL EFFICACY**  
**ORGANISMS (Bloodborne Pathogens):**

HIV-1 (AIDS Virus)  
Hepatitis B Virus (HBV), DHBV 16 strain  
Hepatitis C Virus (HCV), Bovine viral diarrhea virus

Test Method Used: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry nonporous inanimate surfaces.

Organic Soil Load: HIV-1 (AIDS Virus) 5% fetal bovine serum  
Hepatitis B Virus (HBV) 100% duck serum  
Hepatitis C Virus (HCV) 5% horse serum

Exposure Time: 2 minutes at room temperature (68°-77°F)  
Results: Virucidal against HIV-1, Hepatitis B and Hepatitis C virus according to the criteria established by the U.S. Environmental Protection Agency.

**ORGANISM:** Respiratory Syncytial Virus (RSV) [Strain Long] [ATCC VR-26]

Test Method Used: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry nonporous inanimate surfaces.

Organic Soil Load: 5% fetal bovine serum

Exposure Time: 3 minutes at room temperature (68°-77°F)  
Results: Virucidal against Respiratory Syncytial Virus (RSV) according to the criteria established by the U.S. Environmental Protection Agency.

**ORGANISM:** Influenza A (H1N1) Virus (ATCC VR-98) (Strain A/Malaya/302/54)\*  
\* Pandemic 2009 H1N1 Influenza A virus (Kill claim included)

Test Method Used: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry nonporous inanimate surfaces.

Organic Soil Load: 5% fetal bovine serum

Exposure Time: 3 minutes at room temperature (68°-77°F)  
Results: Virucidal against Influenza A virus according to the criteria established by the U.S. Environmental Protection Agency.

<b>ORGANISM:</b>	Influenza A Virus/Hong Kong [ATCC VR-544] Herpes Simplex Virus Type 2 [ATCC VR-734]
Test Method Used:	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry nonporous inanimate surfaces.
Organic Soil Load:	5% fetal bovine serum
Exposure Time:	3 minutes
Results:	Virucidal according to the criteria established by the U.S. Environmental Protection Agency.

## TOXICITY

### ACUTE INHALATION TOXICITY

This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing. Based on the results of the study, the 4 hour LC50 of **Sani-Cloth Plus** is greater than 2.02 mg/L. This places the product in the non-toxic category for inhalation.

### ACUTE ORAL TOXICITY

Conclusion: A single-dose of **Sani-Cloth Plus** solution was administered and observed for 14 days. No signs of toxicity were observed during the 14-day observation period of this study. Based on the results of this study, the acute oral toxicity LD50 of **Sani-Cloth Plus** is greater than 5g/kg of body weight.

### PRIMARY EYE IRRITATION

Conclusion: One eye of each subject was instilled with the undiluted solution, while the contralateral eye remained untreated and served as a control. Under the conditions of the test, **Sani-Cloth Plus** produced eye irritation clearing in 7 days or less.

### ACUTE DERMAL TOXICITY

Conclusion: Following the single dermal administration, the subjects were observed for 14 days. Under the conditions of this test, the acute dermal LD50 of **Sani-Cloth Plus** was found to be greater than 2g/kg of body weight.

### PRIMARY DERMAL IRRITATION

This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing. The subjects were exposed to the moist towelette for a total of 4 hours. Under the conditions of this test, **Sani-Cloth Plus** produced only very slight erythema at 72 hours.

### DERMAL SENSITIZATION

This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing to determine the potential for **Sani-Cloth Plus** to produce sensitization after repeated topical applications. Based on the results of this test, **Sani-Cloth Plus** would not be considered a dermal sensitizing agent.

