

# SANI-CLOTH® BLEACH

## Germicidal Disposable Wipe

*For the disinfection of hard, non-porous surfaces and equipment.*



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### PRODUCT DESCRIPTION

Sani-Cloth® Bleach is a non-woven, disposable cloth, pre-moistened with a stabilized bleach solution equivalent to a 1:10 dilution. Recommended for use in hospitals, especially in isolation rooms and high risk areas where the control of the hazards of cross contamination between treated surfaces is of primary importance. Specially designed for outbreak situations. Use on hard, non-porous surfaces and equipment. Disinfects in just four minutes.

### CHEMICAL COMPOSITION

Active Ingredients	
Sodium Hypochlorite .....	0.60%
Other Ingredients.....	99.40%
TOTAL .....	100.00%

(Does not include the weight of the wipe)

### EFFICACY

#### BACTERIAL ORGANISMS

##### BACTERIA:

*Campylobacter jejuni* [ATCC 29428]  
*Escherichia coli* O157:H7 [ATCC 35150]  
*Klebsiella pneumoniae* [ATCC 4352]  
*Listeria monocytogenes* [ATCC 19117]  
*Pseudomonas aeruginosa* [ATCC 15442]  
*Salmonella enterica* [ATCC 10708]  
*Staphylococcus aureus* [ATCC 6538]  
*Streptococcus pyogenes* [ATCC 12344]

Test Method Used: Modified AOAC Germicidal Spray Method for Hard Surface Disinfection  
Organic Soil Load: 5% Fetal Bovine Serum  
Exposure Time: 1 minute at 68 - 69.8° F  
Incubation: 2 - 5 days at 95 - 98.6° F  
Results: No growth observed

##### MULTI-DRUG RESISTANT BACTERIA:

*Acinetobacter baumannii* - Multi-Drug Resistant [ATCC 19606]  
ESBL Resistant *Escherichia coli* [ATCC BAA-196]  
ESBL Resistant *Klebsiella pneumoniae* [ATCC 700603]  
*Klebsiella pneumoniae* - Carbapenem Resistant [ATCC BAA-1705]  
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) [NARSA NRS384] [Genotype USA 300]  
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) [NARSA NRS123] [Genotype USA 400]  
Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]  
*Streptococcus pneumoniae* - Penicillin Resistant [ATCC 700677]  
Vancomycin Intermediate *Staphylococcus aureus* (VISA) [HIP 5836]  
Vancomycin Resistant *Staphylococcus aureus* (VRSA) [NARSA VRS1]  
Vancomycin Resistant *Enterococcus faecalis* (VRE) [ATCC 51575]

Test Method Used: Modified AOAC Germicidal Spray Method for Hard Surface Disinfection  
Organic Soil Load: 5% Fetal Bovine Serum  
Exposure Time: 1 minute at 68-69.8° F  
Incubation: 2 - 8 days at 95-98.6° F  
Results: No growth observed

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### MYCOBACTERIA

*Mycobacterium bovis* - BCG (TB)

Test Method Used: Modified AOAC Method for Pre-saturated Towelettes for Hard Surface Disinfection to Determine Tuberculocidal Effectiveness

Organic Soil Load: 5% Horse Serum

Exposure Time: 2 minutes at 68° F

Incubation: 90 days at 98.6° F

Results: No growth observed

### VIRUSES

#### ENVELOPED VIRUSES

Avian Influenza A H5N1 virus  
[Strain VNH5N1-PR8/CDC-RG CDC #2006719965]  
Herpes simplex virus type 2 [ATCC VR-734], Strain G  
Human Coronavirus [ATCC VR-740], Strain 229E  
Influenza A virus/Hong Kong Strain [ATCC VR-544]\*  
\*Pandemic 2009 H1N1 Influenza A virus (kill claim included)  
Respiratory syncytial virus (RSV) [ATCC VR-26], Strain Long

#### NON-ENVELOPED VIRUSES

Adenovirus type 2 [ATCC VR-846], Adenoid 6 Strain  
Canine Parvovirus [ATCC VR-2017], Cornell Strain  
Hepatitis A virus (Human) (HAV)[Strain HM-175]  
Norovirus (Feline Calicivirus) [ATCC VR-782]  
Poliovirus type 1 [ATCC VR-1562], Chat Strain  
Rhinovirus type 37 [ATCC VR-1147], Strain 151-1  
Rotavirus [Strain WA]

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

Organic Soil Load: 5% Fetal Bovine Serum

Exposure Time: 1 minute at 68° F

Results: Virucidal according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

#### BLOODBORNE PATHOGENS\*

Hepatitis B virus (HBV) - Duck HBV [Strain 7/31/07]  
Hepatitis C virus (Human) (HCV) - Bovine Diarrhea Virus [Strain Oregon C24v-genotype 1]

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

Organic Soil Load: Hepatitis B Virus (HBV) 100% Duck Serum  
Hepatitis C Virus (HCV) 5% Horse Serum

Exposure Time: 1 minute at 68° F

Results: Virucidal against Hepatitis B and Hepatitis C viruses according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

HIV-1 (AIDS VIRUS) [STRAIN HTLV-III<sub>B</sub>]

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

Organic Soil Load: 5% Fetal Bovine Serum

Exposure Time: 1 minute at 68° F

Results: Virucidal against Human Immunodeficiency Virus Type 1 according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

\* Fully compliant with the OSHA Bloodborne Pathogens Standard

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### EFFICACY (continued)

#### FUNGI

##### PATHOGENIC FUNGI

*Aspergillus brasiliensis* [ATCC 16404]  
*Candida albicans* [ATCC 10231]  
*Trichophyton mentagrophytes* [ATCC 9533]

Test Method Used:	Modified AOAC Germicidal Spray Method for Hard Surface Disinfection
Organic Soil Load:	5% Fetal Bovine Serum
Exposure Time:	4 minutes at 70-77° F
Incubation:	2-10 days at 77-86° F
Results:	No growth observed

### TOXICITY

#### ACUTE ORAL TOXICITY OF SANI-CLOTH BLEACH®

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

#### ACUTE EYE IRRITATION OF SANI-CLOTH BLEACH®

**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® Bleach produced eye irritation clearing in 7 days or less.

#### ACUTE DERMAL TOXICITY OF SANI-CLOTH BLEACH®

**Conclusion:** Following the single dermal administration, the subjects were observed for 14 days. Under the conditions of the test, the acute dermal LD50 of Sani-Cloth® Bleach was found to be greater than 5 g/Kg of body weight.

#### ACUTE SKIN IRRITATION OF SANI-CLOTH BLEACH®

**Conclusion:** 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 undiluted solution for 72 hours. Under the conditions of the test, Sani-Cloth® Bleach produced minimal skin irritation clearing after 24 hours.

#### SKIN SENSITIZATION OF SANI-CLOTH BLEACH®

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

#### ACUTE INHALATION TOXICITY OF SANI-CLOTH BLEACH®

**Conclusion:** 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 aerosolized product for a four hour period. Based on the results of this study, the acute inhalation toxicity of Sani-Cloth® Bleach is greater than 2.35 mg/L of air.



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