Product Description
With Sani-HyPerCide™ Germsidal Spray and Wipes, you have the power to protect your patients and equipment. This Hydrogen Peroxide ready to use disinfectant is designed to provide powerful protection against HAI causing microorganisms, including *Clostridioides difficile* without compromising compatibility.**

Chemical Composition
Active Ingredients:
Hydrogen Peroxide.................................................................................................................................................. 4.04%
Other Ingredients.................................................................................................................................................. 95.96%
TOTAL............................................................................................................................................................... 100.00%
Efficacy

**Clostridioides Difficile Spores**: *Clostridioides difficile* spores* [ATCC 43598]


Organic Soil Load: EPA three-part soil load
Exposure Time: 5 minutes at 73.4° - 75.2°F
Incubation: 5 days at 82.4° - 89.6°F
Results: Met the performance criterion of a minimum reduction in viable spores of 6 Log_{10} for products with sporicidal claims against *Clostridioides difficile* spores*, in accordance with the U. S. EPA Guidance for the Efficacy Evaluation of Products with the Sporicidal Claims Against *Clostridioides difficile* spores* (February 5, 2009).

**Multi-Drug Resistant Bacteria**: *Acinetobacter baumannii* – Multidrug Resistant (MDR) [ATCC 19606]  
Carbapenem Resistant – *Klebsiella pneumoniae* (CRKP) [ATCC BAA-1705]*  
ESBL Positive *Enterobacter cloacae* [CDC 1000654]  
NDM1 Positive *Escherichia coli* [ATCC BAA-196]  
Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]  
Vancomycin Resistant *Enterococcus faecalis* (VRE) [ATCC 51575]

Test Method Used: AOAC Germicidal Spray Method for Hard Surface Disinfection  
Pre-Saturated Towelette Modified AOAC Germicidal Spray Method for Hard Surface Disinfection

Organic Soil Load: 5% fetal bovine serum  
Exposure Time: 1 minute  
Incubation: 46–50 hours at 25–37°C  
Results: No growth observed

**Bacteria**:  
*Staphylococcus aureus* [ATCC 6538]*  
*Pseudomonas aeruginosa* [ATCC 15442]*  
*Salmonella enterica* [ATCC 10708]*

Test Method Used: AOAC Germicidal Spray Method for Hard Surface Disinfection  
Pre-Saturated Towelette Modified AOAC Germicidal Spray Method for Hard Surface Disinfection

Organic Soil Load: 5% fetal bovine serum  
Exposure Time: 1 minute  
Incubation: 46–50 hours at 25–37°C  
Results: No growth observed

**Non-Enveloped Viruses**: Norovirus - Utilizing Feline Calicivirus [ATCC VR-782] [F-9 Strain] as a Surrogate for Norovirus  
Adenovirus type 5 [ATCC VR-5] [Strain Adenoid 75]*  
Rhinovirus type 1a [ATCC VR-1559] [Strain 2060]*  
Rotavirus [ATCC VR-2018] (Strain WA)

Test Method Used: Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surface  
Pre-Saturated Towelette Virucidal Efficacy Test

Organic soil load: 5% fetal bovine serum  
Incubation: 7–10 days at 34-38°C  
Exposure Time: 1 minute at room temperature (20.0 +/- 1°C)  
Results: Virucidal according to the criteria established by the U.S. Environmental Protection Agency guidelines in effect at the time of test for determining the virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
### Enveloped Viruses:

<table>
<thead>
<tr>
<th>Virus</th>
<th>Strain/ATCC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herpes Simplex virus type 2</td>
<td>[ATCC VR-734] Strain G</td>
</tr>
<tr>
<td>Influenza A virus (H3N2)</td>
<td>[ATCC VR-544] Strain Hong Kong</td>
</tr>
<tr>
<td>Respiratory Syncytial virus (RSV)</td>
<td>[ATCC VR-26], Strain Long</td>
</tr>
</tbody>
</table>

**Test Method Used:** Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

**Organic Soil Load:** 5% fetal bovine serum

**Exposure Time:** 1 minute

**Incubation:** 7–10 days

**Results:** Virucidal according to the criteria established by the U.S. Environmental Protection Agency guidelines in effect at the time of test for determining the virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.

### Bloodborne Pathogens:

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Surrogate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hepatitis B virus (HBV)</td>
<td>Duck Hepatitis B Virus as a surrogate for Human Hepatitis B Virus</td>
</tr>
</tbody>
</table>

**Test Method Used:** Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

**Organic Soil Load:** Whole duck serum (100% duck serum) with an additional 5% fetal bovine serum

**Exposure Time:** 1 minute

**Incubation:** 10 days at 36–38 °C

**Results:** The results indicate complete inactivation of Duck Hepatitis B virus under these test conditions as required by the U.S. EPA and Health Canada.

### Bloodborne Pathogens:

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Surrogate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hepatitis C virus (HCV)</td>
<td>Bovine Viral Diarrhea virus as a surrogate for Human Hepatitis C virus***</td>
</tr>
</tbody>
</table>

**Test Method Used:** Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

**Organic Soil Load:** 5% horse serum

**Exposure Time:** 1 minute

**Incubation:** 7 days at 36–38 °C

**Results:** The results indicate complete inactivation of Bovine Viral Diarrhea virus under these test conditions as required by the U.S. EPA and Health Canada.

### Bloodborne Pathogens:

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Surrogate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Immunodeficiency virus type 1 (HIV) (AIDs Virus), Strain HTLV-IIIB</td>
<td></td>
</tr>
</tbody>
</table>

**Test Method Used:** Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

**Organic Soil Load:** 5% fetal bovine serum

**Exposure Time:** 1 minute

**Incubation:** 10–14 days at 36–38 °C

**Results:** The results indicate complete inactivation of Human Immunodeficiency Virus type 1 virus under these test conditions as required by the U.S. EPA and Health Canada.

### Mycobacterium bovis–BCG (TB):

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Strain/ATCC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycobacterium bovis BCG (Tuberculosis) (TB)</td>
<td>[Organon Teknika] ATCC 35743</td>
</tr>
</tbody>
</table>

**Test Method Used:** AOAC Method 965.12 Tuberculocidal Activity of Disinfectants (2012) (Spray and Modified for Pre-saturated Towelettes)

**Organic Soil Load:** 5% concentration horse serum

**Exposure Time:** 1 minute at 21°C

**Incubation:** 90 days at 35–37°C

**Results:** No growth observed
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Pathogenic Fungi: *Candida albicans* [ATCC 10231]
Test Method Used: Fungicidal Germicidal Spray Method
Organic Soil Load: 5% fetal bovine serum
Exposure Time: 1 minute at 18–25°C
Incubation: 46–50 hours at 25–30°C
Results: No growth observed

Pathogenic Fungi: *Candida auris* AR-BANK#0381 from CDC
Test Method Used: OECD Quantitative Method for Evaluating the Efficacy of Liquid Antimicrobials against Candida auris on Hard, Non-Porous Surfaces, Wipes and Towelettes
Organic Soil Load: 5% fetal bovine serum
Exposure Time: 1 minute at 21°C
Incubation: 116-124 hours at 29-31°C
Results: Met the performance criterion of a minimum reduction in viable cells of $5 \log_{10}$ in accordance with the U.S. EPA guidance for the Efficacy Evaluation of Products for Claims against *Candida auris*.

Pathogenic Fungi: *Trichophyton interdigitale*
[[Formerly known as] [Tested as] *Trichophyton mentagrophytes*] [ATCC 9533]
Test Method Used: Pre-Saturated Towelette Modified AOAC Fungicidal Germicidal Spray Test
Organic Soil Load: 5% fetal bovine serum
Exposure Time: 1 minute at 18–25°C
Incubation: 10 days at 36–38°C
Results: No growth observed

Toxicity

**Acute Inhalation**
Based on the inhalation test results, *Sani-HyPerCide* disinfectant has been classified as Toxicity Category IV for acute inhalation.

**Acute Oral Toxicity**
Based on the results of this study, *Sani-HyPerCide* disinfectant has been classified as Toxicity Category IV for acute oral toxicity.

**Acute Eye Irritation**
Based on the results of this study, *Sani-HyPerCide* disinfectant produced eye irritation that indicates the product would be classified as Toxicity Category III for acute eye irritation.

**Acute Dermal Toxicity**
Based on the results of this study, *Sani-HyPerCide* disinfectant has been classified as Toxicity Category IV for dermal toxicity.

**Acute Dermal Irritation**
Based on the results of primary skin irritation study, *Sani-HyPerCide* disinfectant has been classified as Toxicity Category IV for dermal effects.

**Dermal Sensitization**
Based upon the sensitization test results, *Sani-HyPerCide* disinfectant would not be considered a dermal sensitizing agent.

* Clostridioides difficile spores formerly known as Clostridium difficile spores.
** Refer to device manufacturer’s instructions for use.
*** Hepatitis C Virus claim applicable only to *Sani-HyPerCide* Wipes.