



## CaviWipes™ Bleach

1:10 bleach dilution  
disinfecting towelettes

- Sporidical
- Tuberculocidal
- Bactericidal
- Virucidal\*
- Fungicidal
- Moleculicidal
- One-step† cleaner/disinfectant
- Fragrance free

**3** MINUTE  
**KILL**  
**TIME**

**Metrex**

Net Contents: 2 lbs. 7 oz.  
80 Pre-Saturated Towelettes 6" x 10.5"

CaviWipes Bleach are effective against the following microorganisms on hard, nonporous surfaces when used as directed:

- |   |   |
|---|---|
| <p><b>Bacteria</b></p> <ul style="list-style-type: none"> <li>• <i>Clostridium difficile</i> spores*</li> <li>• <i>Pseudomonas aeruginosa</i></li> <li>• <i>Burkholderia cepacia</i></li> <li>• <i>Klebsiella pneumoniae</i></li> <li>• <i>Listeria monocytogenes</i></li> <li>• <i>Staphylococcus pyrogenes</i></li> </ul> <p><b>Drug-Resistant Bacteria</b></p> <ul style="list-style-type: none"> <li>• Enterobacteriaceae: Multi-Drug Resistant Acinetobacter baumannii (MRAB) (Resistant to Cefazidime and Gentamicin)</li> <li>• Carbapenem-resistant <i>Klebsiella pneumoniae</i> (CRKP) (CRE)</li> <li>• Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)</li> <li>• Penicillin Resistant <i>Staphylococcus pneumoniae</i></li> <li>• Vancomycin Resistant <i>Enterococcus aureus</i> (VRE)</li> <li>• Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE)</li> <li>• Extended spectrum <math>\beta</math>-lactamase (ESBL) <i>Escherichia coli</i> (Resistant to Cefazidime and Penicillin)</li> </ul> <p><b>Mycobacterium</b></p> <ul style="list-style-type: none"> <li>• <i>Mycobacterium tuberculosis</i> var: <i>bovis</i> (BCG) (TB)</li> </ul> | <p><b>Mold, Mildew, Fungi</b></p> <ul style="list-style-type: none"> <li>• <i>Candida albicans</i></li> <li>• <i>Trichophyton interdigitale</i> (dermatophyte)</li> <li>• <i>Aspergillus brasiliensis</i></li> <li>• <i>Trichophyton mentagrophytes</i></li> </ul> <p><b>Non-enveloped Viruses*</b></p> <ul style="list-style-type: none"> <li>• Adenovirus*</li> <li>• Rotavirus*</li> <li>• Poliovirus, Coxsackievirus, Echovirus, Enterovirus (EV4689)*</li> <li>• Human Rotavirus*</li> </ul> <p><b>Enveloped Viruses*</b></p> <ul style="list-style-type: none"> <li>• Herpes simplex virus (type 1)*</li> <li>• Herpes simplex virus (type 2)*</li> <li>• Human Coronavirus</li> <li>• Influenza A virus (type H1N1)*</li> <li>• Influenza B virus (type B)*</li> <li>• Dengue Virus (type 1-4)*</li> <li>• Measles Virus (type 1)*</li> <li>• Mumps Virus (type 1)*</li> <li>• Rubella Virus (type 1)*</li> <li>• Varicella-Zoster Virus (type 1)*</li> <li>• HIV-1 (Human Immunodeficiency Virus Type 1)*</li> <li>• Respiratory syncytial virus (RSV)*</li> </ul> <p><b>Non-enveloped Parvoviruses*</b></p> <ul style="list-style-type: none"> <li>• Canine Parvovirus*</li> </ul> |
|---|---|

**KEEP OUT OF REACH OF CHILDREN**

Active Ingredient:	0.91%
Sodium Hypochlorite	99.09%
Other Ingredients†	100.00%
<b>Total</b>	<b>100.00%</b>

† Does not include the weight of the towelette.

## CAVIWIPES™ BLEACH

### TECHINCAL BULLETIN

EPA REG. NO. 46781-14

## Product Description

EPA registered CaviWipes Bleach is a multi-purpose disinfecting towelette for use on hard, non-porous surfaces. With demonstrated effectiveness against the following 40 relevant microorganisms in 3 minutes there is no surface wipe that has a lower contact time on *C. difficile* than CaviWipes Bleach. They are recommended for use in medical facilities, ambulances, physicians' offices, long term care facilities, and dental offices.

## Chemical Ingredients

Sodium Hypochlorite.....	0.91%
Other Ingredients†.....	99.09%
Total.....	100.00%

NFPA Rating: Fire: 0      Health: 0      Instability: 0

†Does not include the weight of the towelette

## Efficacy

### Sporicidal Efficacy Studies

#### *Clostridium difficile* spores

*Clostridium difficile* spores [ATCC 43598]

Contact time tested  
Test Method

#### **3 minutes**

ASTM E 2197-11, and the requirements outlined in the EPA Guidance for the Efficacy Evaluation of Products with Sporicidal Claims against *Clostridium difficile*.

Organic soil load  
Test Results

5% Organic load  
PASSED

This product met the sporicidal claims against *Clostridium difficile*, in accordance with the U. S. EPA Guidance passing criterion for this method is that there must be at least an average of 6-Log<sub>10</sub> reduction over the average of carrier counts.

### Bactericidal Efficacy Studies

#### **Bacteria**

*Staphylococcus aureus* [ATCC 6538]  
*Pseudomonas aeruginosa* [ATCC 15442]  
*Salmonella enterica* [ATCC 10708]  
*Burkholderia cepacia* [ATCC 25416]  
*Escherichia coli* O157:H7 [ATCC 35150]  
*Klebsiella pneumoniae* [ATCC 4352]  
*Legionella pneumophila* [ATCC 33153]  
*Listeria monocytogenes* [ATCC 19117]  
*Serratia marcescens* [ATCC 14756]  
*Streptococcus pyogenes* [ATCC 12344]  
*Neisseria gonorrhoeae* [ATCC 43069]

**Bacteria (Continued)**

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

AOAC Germicidal Spray Products as Disinfectants Test modified for towelettes

5% Organic load

PASSED

**Drug-Resistant Bacteria***Enterobacter cloacae* [ATCC BAA-2468]Multidrug Resistant *Acinetobacter baumannii* (MRAB) [ATCC BAA-1605]Carbapenem-resistant *Klebsiella pneumoniae* (CRKP) (CRE) [ATCC BAA-1705]Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]Penicillin Resistant *Streptococcus pneumoniae* [ATCC 700677]Vancomycin Resistant *Staphylococcus aureus* (VRSA) [NARSA VRS1]Vancomycin Resistant *Enterococcus faecalis* (VRE) [ATCC 51575]*Escherichia coli* (ESBL) [ATCC BAA-196]

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

AOAC Germicidal Spray Products as Disinfectants Test modified for towelettes

5% Organic load

PASSED

**Tuberculocidal Efficacy Studies****Mycobacterium***Mycobacterium tuberculosis* var: *bovis* (BCG) (TB)

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

AOAC Germicidal Spray Products as Disinfectants Test modified for towelettes

5% Organic load

PASSED

Under the test conditions this product demonstrated tuberculocidal activity against *Mycobacterium bovis* (BCG) according to criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a tuberculocide.

**Fungicidal Efficacy Studies****Pathogenic Fungi***Candida albicans* [ATCC 10231]*Aspergillus brasiliensis* [ATCC 16404]*Trichophyton interdigitale* (formerly *Trichophyton mentagrophytes*) [ATCC 9533]

## Pathogenic Fungi (continued)

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

AOAC Germicidal Spray Products as Disinfectants Test modified for towelettes

5% Organic load

PASSED

## Virucidal Efficacy Studies

### Non-enveloped Viruses

Adenovirus [ATCC VR-846]

Hepatitis A [Strain HM-175]

Norovirus (as Feline Calicivirus) [ATCC VR-782]

Poliovirus, Chat Strain [ATCC VR-1562]

Rhinovirus [ATCC VR-1147] [(Strain 151-1)]

Enterovirus (EV-D68) [ATCC VR-561]

Human Rotavirus [ATCC VR-2018]

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

Virucidal Hard Surface Efficacy Test for Pre-Saturated or Impregnated Towelettes.

5% Organic load

PASSED

### Enveloped Viruses

Herpes simplex virus (type 1) [ATCC VR-260] [Strain HF]

Herpes simplex virus (type 2) [ATCC VR-734] [Strain G]

Human Coronavirus [ATCC VR-740] [Strain 229E]

Influenza A virus Strain A/Hong Kong 8/68 (H3N2) [Charles River Labs]

Influenza B virus Strain B/Hong Kong/5/72 [ATCC VR-823]

Respiratory syncytial virus (RSV) [ATCC VR-26] [(Strain Long)]

Duck Hepatitis B virus (HBV) [Strain Grimaud]

Bovine-Viral Diarrhea Virus Hepatitis C virus (HCV) [Strain NADL] [ATCC VR-1422]

HIV-1 (Human Immunodeficiency Virus type 1) [Strain III B (B)] [ZeptoMetrix]

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

Virucidal Hard Surface Efficacy Test for Pre-Saturated or Impregnated Towelettes.

5% Organic load

PASSED

### Non-enveloped Parvoviruses

Canine Parvovirus [ATCC VR-2017] [(Cornell Strain)]

Contact time tested

Test Method

Organic soil load

Test Results

**3 minutes**

Virucidal Hard Surface Efficacy Test for Pre-Saturated or Impregnated Towelettes.

5% Organic load

PASSED

NOTE: All microbiocidal efficacy tests meet the EPA OCSPP 810.2000 and 810.2200 Product Performance Test Guidelines, as applicable.

## Toxicity

Study	Category	Test Guideline	Test Results
Acute Oral	Category IV	OCSPP 870.1100	The acute oral LD <sub>50</sub> for this product indicated by the data, is determined to be greater than 5000 mg/kg.
Acute Dermal	Category IV	OCSPP 870.1200	The acute dermal LD <sub>50</sub> for this product indicated by the data, is greater than 5050 mg/kg.
Acute Inhalation	Category IV	OCSPP 870.1300	The acute inhalation LC <sub>50</sub> for this product indicated by the data, is greater than 2.21 mg/L.
Primary Eye Irritation	Category IV	OCSPP 870.2400	No irritation was observed in any eyes at 72 hours. All positive effects cleared by 24 hours.
Primary Skin Irritation	Category IV	OCSPP 870.2500	The primary irritation index was obtained from observations at 1, 24, 48 and 72 hours, and used to give this product a descriptive rating of slightly irritating.
Skin Sensitization	Product is not a sensitizer	OCSPP 870.2600	The product produced no reaction after the challenge treatment in this test. Therefore, this product is not a sensitizer.

**Chronic Hazards: None expected.**

**Carcinogen: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.**

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