

Test results provided by independent GLP laboratory using Environmental Protection Agency (EPA) Product Performance Test Guidelines OSCP 810.2200.

| TARGET ORGANISMS   | SIGNIFICANCE OF TEST  | METHOD                                     | CONTACT TIME | FREE AVAILABLE CHLORINE CONCENTRATION | SURFACE                       |   |  |
|--|---|--|--------------|---------------------------------------|-------------------------------|---|--|
| Campylobacter jejuni   | This organism is second to salmonella in terms of food spoilage.  | AOAC Use-Dilution Method                   | 10 Minutes   | 200 PPM                               | Pre-cleaned, hard, non-porous |   |  |
| Salmonella enterica  | Efficacy against these organisms are required by the EPA for food contact surface sanitizers.   | AOAC Available Chlorine in Disinfectants   | 1 minute     |                                       | Pre-cleaned hard non-porous   |   |  |
| Staphylococcus aureus  |   |  |              |                                       |                               |   |  |
| Salmonella enterica  | Efficacy against these organisms are required by the EPA for broad spectrum hospital disinfectants.   | AOAC Use-Dilution Method 961.02            |              |                                       | Pre-cleaned hard non-porous   |   |  |
| Staphylococcus aureus  |   |  |              |                                       |                               |   |  |
| Pseudomonas aeruginosa   |   |  |              |                                       |                               |   |  |
| Listeria monocytogenes   | Efficacy demonstrated against additional organisms. Many organisms are antibiotic resistant and known to cause different kinds of infections. | AOAC Use-Dilution Method 961.02            | 10 minutes   | 165 PPM                               | Pre-cleaned hard non-porous   |   |  |
| Burkholderia cepacia   |   | AOAC Use-Dilution Method with 5% soil load |              |                                       | Hard non-porous surface       |   |  |
| Methicillin Resistant Staphylococcus aureus - MRSA                         |   |  |              |                                       |                               |   |  |
| Vancomycin Resistant Enterococcus faecalis - VRE                           |   |  |              |                                       |                               |   |  |
| New Delhi metallo-beta-lactamase 1 (NDM-1) producing Klebsiella pneumoniae |   |  |              |                                       |                               |   |  |
| Legionella pneumophila   |   |  |              |                                       |                               |   |  |
| Escherichia coli   |   |  |              |                                       |                               |   |  |
| Trichophyton mentagrophytes  |   |  |              |                                       |                               | AOAC Fungicidal Use-Dilution Method with 5% soil load | Efficacy is required by the EPA against this fungus for claims against pathogenic fungi. |

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|---|---|--|--------------|---------------------------------------|-------------------------------|
| <b>Non-Enveloped</b>  | EPA recognized efficacy claims against various viruses. | AOAC Use-Dilution Method with 5% soil load   | 10 minutes   | 165 PPM                               | Hard non-porous               |
| Poliovirus type 1   |   |  |              |                                       |                               |
| Feline Calicivirus (norovirus surrogate)  |   |  |              |                                       |                               |
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| <b>Enveloped</b>  | EPA recognized efficacy claims against various viruses. | Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces                   | 10 minutes   | 200 PPM                               | Pre-cleaned, hard, non-porous |
| Bovine Viral Diarrhea virus (Hepatitis C surrogate)                             |   |  |              |                                       |                               |
| Human Coronavirus   |   |  |              |                                       |                               |
| Human Immunodeficiency virus type 1 (HIV-1)                                     |   | Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces with 5% soil load | 10 minutes   | 165 PPM                               | Hard non-porous               |
| Influenza A (H1N1) virus  |   |  |              |                                       |                               |
| 2009-H1N1 Influenza A virus (Novel H1N1)  |   |  |              |                                       |                               |
| Herpes simplex virus type 2   |   |  |              |                                       |                               |
| Avian Influenza A (H7N9) virus  |   |  |              |                                       |                               |
| SARS-Related Coronavirus 2, BEI Resources NR-52281, Strain Isolate USA-WA1/2020 |   |  |              |                                       |                               |
| SARS-Related Coronavirus 2, BEI Resources NR-52281, Strain Isolate USA-WA1/2020 |   |  |              |                                       |                               |

Not an approval from the EPA.  
The PathoSans Cleaning and Sanitizing System is regulated as a pesticide device manufactured at EPA establishment number 88161-IL-002.

Supplemental 3<sup>rd</sup> party laboratory testing to support faster kill times.

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|--|---|--|--------------|---------------------------------------|-------------------------------|
| Campylobacter jejuni                               | Indicate efficacy against target organisms at significantly reduced contact times | Time kill assay for antimicrobial agents | 10 seconds   | 200 PPM                               | Pre-cleaned, hard, non-porous |
| Listeria monocytogenes                             |   |  |              |                                       |                               |
| Salmonella enterica                                |   |  |              |                                       |                               |
| Pseudomonas aeruginosa                             |   |  |              |                                       |                               |
| Methicillin Resistant Staphylococcus aureus - MRSA |   |  | 30 seconds   |                                       |                               |
| Feline Calicivirus (norovirus surrogate)           |   |  | 1 minute     |                                       |                               |
| Clostridium perfringens                            |   |  |              |                                       |                               |