



## ES64H Neutral Disinfectant Microbial Effectiveness Bulletin (EPA#1839-169-68138)

This product is effective against the following:

| <b>Bactericidal Activity (10 minute contact time)</b>                                                |                                                                                                                         |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ampicillin resistant Acinetobacter baumannii                                                         | Proteus mirabilis                                                                                                       |
| Bactrim resistant Acinetobacter baumannii                                                            | Proteus vulgaris                                                                                                        |
| Bordetella bronchiseptica                                                                            | Pseudomonas aeruginosa                                                                                                  |
| Cefazolin resistant Acinetobacter baumannii                                                          | Pseudomonas sp. (Pseudomonas fluorescens)                                                                               |
| Ceftazidime resistant Acinetobacter baumannii                                                        | Levofloxacin resistant Acinetobacter baumannii                                                                          |
| Ceftriaxone resistant Acinetobacter baumannii                                                        | Salmonella enterica subsp. Enterica serotype choleraesuis                                                               |
| Ciprofloxacin resistant Acinetobacter baumannii                                                      | Salmonella enterica subsp. enterica serotype paratyphi B                                                                |
| Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 123 Genotype USA400) | Salmonella enterica subsp. enterica serotype pullorum                                                                   |
| Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 384 Genotype USA300) | Salmonella enterica subsp. enterica serotype typhi                                                                      |
| Corynebacterium ammoniagenes                                                                         | Salmonella enterica subsp. enterica serotype typhimurium                                                                |
| Enterobacter aerogenes                                                                               | Salmonella enterica subsp. enterica serotype enteritidis                                                                |
| Enterobacter cloacae                                                                                 | Serratia marcescens                                                                                                     |
| Enterobacter cloacae (clinical isolate)                                                              | Shigella dysenteriae                                                                                                    |
| Enterococcus faecalis                                                                                | Shigella flexneri Type 2b                                                                                               |
| Enterococcus faecalis (clinical isolate)                                                             | Shigella sonnei                                                                                                         |
| Escherichia coli                                                                                     | Staphylococcus aureus                                                                                                   |
| Escherichia coli (clinical isolate)                                                                  | Staphylococcus aureus (clinical isolate)                                                                                |
| Escherichia coli (O111:H8)                                                                           | Staphylococcus aureus subsp. aureus                                                                                     |
| Fusobacterium necrophorum                                                                            | Staphylococcus epidermidis                                                                                              |
| Gentamicin resistant Acinetobacter baumannii                                                         | Tobramycin resistant Acinetobacter baumannii                                                                            |
| Klebsiella pneumoniae subsp. pneumoniae                                                              | Streptococcus pyogenes (Clinical - Flesh Eating Strain BIRD M3)                                                         |
| Lactobacillus casei subsp. rhamnosus                                                                 | Streptococcus pyogenes Group A                                                                                          |
| Listeria monocytogenes                                                                               | Staphylococcus epidermidis (clinical isolate)                                                                           |
| Pseudomonas tolaasii                                                                                 | Vancomycin intermediate resistant Staphylococcus aureus (VISA)                                                          |
| Methicillin resistant Staphylococcus aureus (MRSA)                                                   | Vancomycin resistant Enterococcus faecalis (VRE)                                                                        |
| Pasteurella multocida                                                                                | Xanthomonas maltophilia (clinical isolate)                                                                              |
| <b>Virucidal Activity (10 minute contact time)</b>                                                   |                                                                                                                         |
| Avian Influenza A Virus                                                                              | HIV-2                                                                                                                   |
| Bovine Rhinotracheitis Virus                                                                         | Human Coronavirus                                                                                                       |
| Bovine Viral Diarrhea Virus (BVDV)                                                                   | Influenza A <sub>2</sub> /Hong Kong Virus                                                                               |
| Canine Distemper Virus                                                                               | Paramyxovirus                                                                                                           |
| Feline Leukemia Virus                                                                                | Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)                                                               |
| Feline Picornavirus                                                                                  | Pseudorabies Virus                                                                                                      |
| Hepatitis B virus (HBV)                                                                              | Rabies Virus                                                                                                            |
| Hepatitis C virus (HCV)                                                                              | Rotavirus                                                                                                               |
| Herpes Simplex Type 1 Virus                                                                          | SARS associated Coronavirus                                                                                             |
| Herpes Simplex Type 2 Virus                                                                          | Vaccinia Virus                                                                                                          |
| Human Immunodeficiency Virus Type 1 (HIV-1)                                                          |                                                                                                                         |
| <b>Virucidal Activity (1 minute contact time)</b>                                                    |                                                                                                                         |
| SARS-Related Coronavirus 2                                                                           |                                                                                                                         |
| <b>Fungicidal Activity (10 minute contact time)</b>                                                  |                                                                                                                         |
| Candida albicans                                                                                     | Trichophyton interdigitale, formerly known as Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ringworm) |
| <b>Mildewstat Activity (10 minute contact time)</b>                                                  |                                                                                                                         |
| Aspergillus niger                                                                                    |                                                                                                                         |