



## **Representative Microorganisms Tested: A Non-Exhaustive Compendium**

The active ingredients in Speco are formulated based on a proprietary antiviral and antimicrobial technology that has been shown to effectively control a broad range of viruses, bacteria, fungi, algae, and yeasts.

The technology has been developed with a focus on ensuring its safety for human health and the environment, as well as avoiding the creation of resistant organisms and minimizing any potential damage to treated surfaces and the environment. The active ingredient in the technology is registered with the US Environmental Protection Agency and other regulatory bodies worldwide, and the technology is also manufactured as a green technology, earning B-corp status in 2020.

This compendium presents the results of laboratory testing performed to evaluate the efficacy of the technology against a selection of microorganisms that are representative of the major types and varieties of microorganisms. The data presented in this compendium are intended to provide an understanding of the capabilities of the technology and should not be interpreted as a warranty. It is important to note that laboratory testing conditions are controlled and may not accurately reflect real-world conditions. The effectiveness of the technology against a specific organism should not be considered as a guarantee of elimination, control, minimization, or any other impact on health conditions that may be associated with the organism.

### **Viruses**

Adenovirus Type II & IV

Bovine Adenovirus Type I & IV

Coronavirus (Betacoronavirus)

Mouse Hepatitis Virus (MHV Murine coronavirus)

Non-Enveloped Single-Stranded RNA Enterovirus (HFMD)

Feline pneumonitis

Herpes Simplex Type I (HSV-1)

Herpes Simplex Type II

HIV-1 (AIDS)

H1N1

Influenza A2 (Aichi)

Influenza A2 (Asian)

Influenza B

Mumps

Poliovirus Type I (Strain MEF-1)

Par influenza (Sendai)



Rous Sarcoma

Reovirus Type I

Simian Virus 40

Vaccinia

MS2

PRD1

**Bacteria**

Micrococcus sp.

Mycobacterium smegmatis Staphylococcus epidermidis1 Mycobacterium tuberculosis

Enterobacter agglomerans1

Brucella cania

Acinetobacter calcoaceticus1

Brucella abortus

Staphylococcus aureus (pigmented)1 Brucella suis

Staphylococcus aureus (non-pigmented)1 Streptococcus mutans

Klebsiella pneumoniaeATCC 4352 Bacillus subtilis

Pseudomonas aeruginosa

Bacillus cereus

Pseudomonas aeruginosa1

Clostridium perfringens

Pseudomonas aeruginosa PDR-10 Haemophilus influenzae

Streptococcus faecalis

Haemophilus suis

Escherichia coli ATCC 23266

Lactobacillus casei

Escherichia coli1

Leuconostoc lactis

Proteus mirabilis

Listeria monocytogenes

Proteus mirabilis1

Propionibacterium acnes



Citrobacter diversus1  
Proteus vulgaris  
Salmonella typhosa  
Pseudomonas cepacia  
Salmonella choleraesuis  
Pseudomonas fluorescens Corynebacterium Boris  
Xanthomonas campestres  
Vancomycin Resistant enterococci  
Methicillin Resistant Staphylococcus aureus  
Fungi  
Aspergillus niger  
Mucor sp.  
Aspergillus fumigatus  
Tricophyton mentagrophytes  
Aspergillus versicolor  
Tricophyton interdigitalie  
Aspergillus flavus  
Trichoderma flavus  
Aspergillus terreus  
Chaetomium globusum  
Penicillium chrysogenum  
Rhizopus nigricans  
Penicillium albicans  
Cladosporium herbarum  
Penicillium citrinum  
Aureobasidium pullulans  
Penicillium elegans  
Fusarium nigrum  
Penicillium funiculosum  
Fusarium solani  
Penicillium humicola



*Gliocladium roseum*

*Penicillium notatum*

*Oospora lactis*

*Penicillium variabile*

*Stachybotrys atra*

### **Algae**

*Oscillatoria borneti* LB143

*Schedoesmus quadricauda*

*Anabaena cylindrica* B-1446-1C

*Gonium* sp. LB 9c

*Selenastrum gracile* B-325

*Volvox* sp. LB 9

*Pleurococcus* sp. LB11

*Chlorella vulgaris*

### **Yeast**

*Saccharomyces cerevisiae*

*Candida albicans*