



**MonoFoil™**  
**Clean Redefined<sup>6</sup>**

## Tested Organisms

MonoFoil Technology is based on a unique antimicrobial technology which effectively controls bacteria, fungi, algae and yeasts on a wide variety of treated articles and substrates. The base active is registered with the U.S. Environmental Protection Agency and comparable regulatory bodies around the world. The antimicrobial has been used safely and effectively in all areas from construction to plastics as well as hospital applications. This sheet has been prepared in response to numerous requests for a list of microorganisms against which the technology is effective. They were selected to provide a test spectrum which is representative of all significant types and varieties of microorganisms.

This data is provided solely to assist you in understanding the capabilities of the base technology and is not a warranty. Laboratory testing is performed in a controlled environment and may or may not be representative of real world conditions. Effectiveness against an organism should not be interpreted as eliminating, controlling, minimizing or otherwise affecting health conditions which may be associated with specific organisms.

### **Bacteria**

Acinetobacter calcoaceticus  
Bacillus cereus  
Bacillus subtilis  
Brucella abortus  
Brucella cania  
Brucella suis  
Campylobacter jejuni  
Citrobacter diversus  
Clostridium perfringens  
Corynebacterium bovis  
Enterobacter agglomerans  
Escherichia coli ATCC 29428  
Escherichia coli ATCC 23266  
Haemophilus influenzae  
Haemophilus suis  
Klebsiella pneumoniae ATCC 4352  
Lactobacillus casei  
Leuconostoc lactis  
Listeria monocytogenes  
Methicillin Resistant Staphylococcus  
Micrococcus sp.  
Mycobacterium smegmatis  
Mycobacterium tuberculosis  
Norovirus  
PDR-10  
Propionibacterium acnes  
Proteus mirabilis  
Proteus vulgaris  
Pseudomonas aeruginosa  
Pseudomonas aeruginosa  
Pseudomonas cepacia  
Pseudomonas fluorescens  
Salmonella choleraesuis  
Salmonella typhosa  
Salmonella typhi  
Salmonella sonnei  
Shigella sonnei

Staphylococcus aureus (non-pigmented)  
Staphylococcus aureus (pigmented)  
Staphylococcus epidermidis  
Streptococcus faecalis  
Streptococcus mutans  
Trichoderma flavus  
Tricophyton interdigitalis  
Tricophyton mentagrophytes  
Vancomycin resistant Enterococcus faecalis  
Vibrio cholera  
Xanthomonas campestris  
Yersinia enterocolitica

### **Virus**

Adenovirus Type 5  
†\*Avian Influenza A Virus (H3N2)  
Avian Influenza Virus, Type A (H9N2)  
‡Bovine Viral Diarrhea Virus (BVDV)  
Canine Parvovirus Type 2 (CPV-2b/Eu)  
Feline Calicivirus (FCV)  
Feline Coronavirus  
•Hepatitis B Virus (HBV) (Duck Hepatitis B Virus-DHBV)  
‡Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus-BVDV)  
†Herpes Simplex Type 1 (Sabin)  
\*Human Coronavirus (ATCC VR-740, strain 229E)  
\*Human Immunodeficiency Virus, HIV-1, strain HTLV-IIIb, (associated with AIDS)  
†Influenza A2 (Japan 305/57)  
\*Newcastle Disease Virus (strain H.J. Roakin, 1946)  
Norovirus (Norwalk Virus)(FCV)  
\*SARS associated Coronavirus (ZeptoMetrix)  
†Vaccinia (Wyeth)

### **Fungi**

Aerobasidium pullulans  
Anabaena cylindrical B-1446-1C  
Aspergillus fumigates  
Aspergillus niger  
Aspergillus terreus  
Aspergillus versicolor  
Chaetomium globosum  
Cladosporium herbarum  
Fusarium nigrum  
Fusarium solani  
Gliocladium roseum  
Gloeocapsa magma  
Gonium sp. LB 9c  
Mucor sp.  
Notatum Penicillium variabile  
Oospora lactis  
Oscillatoria borneti LB143  
Penicillium albicans  
Penicillium chrysogenum  
Penicillium citrinum  
Penicillium elegans  
Penicillium funiculosum  
Penicillium humicola Penicillium  
Rhizopus nigricans  
Schenedesmus quadricauda  
Stachybotrys atra

### **Algae**

Chlorella vulgaris  
Pleurococcus sp. LB11  
Saccharomyces cerevisiae  
Selenastrum gracile B-325  
Volvox sp. LB 9