

This confidential information 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 that is representative of all significant types and varieties of microorganisms.

Surfaces that were molecularly-enhanced by GR-AD Pro's chemistry have been tested and clinically proven to be inhospitable for the microorganisms listed below, thus improving standard disinfection and decreasing culture counts.

**Bacteria**

Micrococcus sp.  
Staphylococcus epidermidis<sup>1</sup>  
Enterobacter agglomerans<sup>1</sup>  
Acinetobacter calcoaceticus<sup>1</sup>  
Acinetobacter baumannii  
Staphylococcus aureus (pigmented)<sup>1</sup>  
Staphylococcus aureus (non-pigmented)<sup>1</sup>  
Klebsiella pneumoniae ATCC 4352  
Pseudomonas aeruginosa  
Pseudomonas aeruginosa<sup>1</sup>  
Pseudomonas aeruginosa PDR-10  
Streptococcus faecalis  
Escherichia coli ATCC 23266  
Escherichia coli<sup>1</sup>  
Proteus mirabilis  
Proteus mirabilis<sup>1</sup>  
Citrobacter diversus<sup>1</sup>  
Shigella dysenteriae  
Salmonella typhosa  
Salmonella enterica  
Corynebacterium bovis  
Vancomycin-resistant Enterococcus  
Francisella tularensis  
Mycobacterium smegmatis  
Mycobacterium tuberculosis  
Brucella canis  
Brucella abortus  
Xanthomonas campestris  
Brucella suis  
Streptococcus mutans  
Bacillus subtilis

**Bacteria (cont)**

Bacillus cereus  
Clostridium perfringens  
Haemophilus influenzae  
Lactobacillus casei  
Leuconostoc lactis  
Listeria monocytogenes  
Propionibacterium acnes  
Proteus vulgaris  
Campylobacter jejuni  
Pseudomonas cepacia  
Pseudomonas fluorescens  
Enterococcus faecalis  
Methicillin-resistant Staphylococcus aureus

**Virus**

Influenza A (H1N1)  
Influenza A virus subtype H3N2  
HIV-1

**Algae**

Oscillatoria borneti LB143  
Anabaena cylindrica B-1446-1C  
Selenastrum gracile B-325  
Pleurococcus sp. LB11  
Schedoesmus quadricauda  
Gonium sp. LB 9c  
Volvox sp. LB 9  
Clorella vulgaris

**Yeast**

Saccharomyces cerevisiae  
Candida albicans<sup>1</sup>

**Fungi**

Aspergillus niger  
Aspergillus fumigatus  
Aspergillus versicolor  
Aspergillus flavus  
Aspergillus terreus  
Penicillium chrysogenum  
Penicillium albicans  
Penicillium citrinum  
Penicillium elegans  
Penicillium funiculosum  
Penicillium humicola  
Penicillium notatum  
Penicillium variabile  
Mucor sp.  
Tricophyton mentagrophytes  
Tricophyton interdigitale  
Trichoderma flavus  
Chaetomium globosum  
Rhizopus nigricans  
Cladosporium herbarum  
Aerobasidium pullulans  
Fusarium nigrum  
Fusarium solani  
Gliocladium roseum  
Oospora lactis  
Stachybotrys atra

<sup>1</sup> Clinical Isolates

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