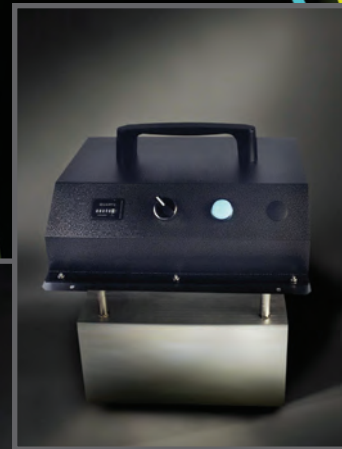


# EMERGING TECHNOLOGY

## INFECTION PREVENTION

PATHOGEN FREE AIR & SURFACES

**MÄSTEL**  
**TMC**  
(Total Microbial air and surface Controls)



# Purified Air & Surfaces

Reducing and Controlling:

Mold and Fungal Strains,  
Bacteria, Virus and VOC's  
HAI's (Hospital Acquired Infections)  
Reduce Your Risk!



Nature's Sanitizer

Percent reduction of the following microorganisms on stainless steel/glass and cotton fabric respectively.

• Clostridium Difficile	– 99.8% and 98.6% within 48 hours
• Listeria Monocytogenes	– 94.7% and 98.6% within 48 hours
• Aspergillus Niger	– 99.9% and 97% within 48 hours
• Pseudomonas Aeruginosa	– 99.9% and 99.9% within 4 hours
• Influenza A Virus	– 99.98% and 99.8% within 6 hours
• Statphylococcus Aureus	– 99.8% and 99.9% within 8 hours
• Escherichia Coli	– 99.9% and 99.4% within 4 hours
• MRSA (Methicillin Resistant Staph. Aureus)	– 65.1% and 94.4% within 48 hours
• PRRS Virus (Porcine Reproductive Respiratory Syndrome)	– 97.9% within 6 hours

Also reducing and/or eliminating VOC's and other harmful compounds.

• Formaldehyde	– reduced to harmless molecules
• Chlorine	– ✓
• Alcohol	– ✓
• Ethanol	– ✓
• Benzene	– ✓
• Ozone	– ✓



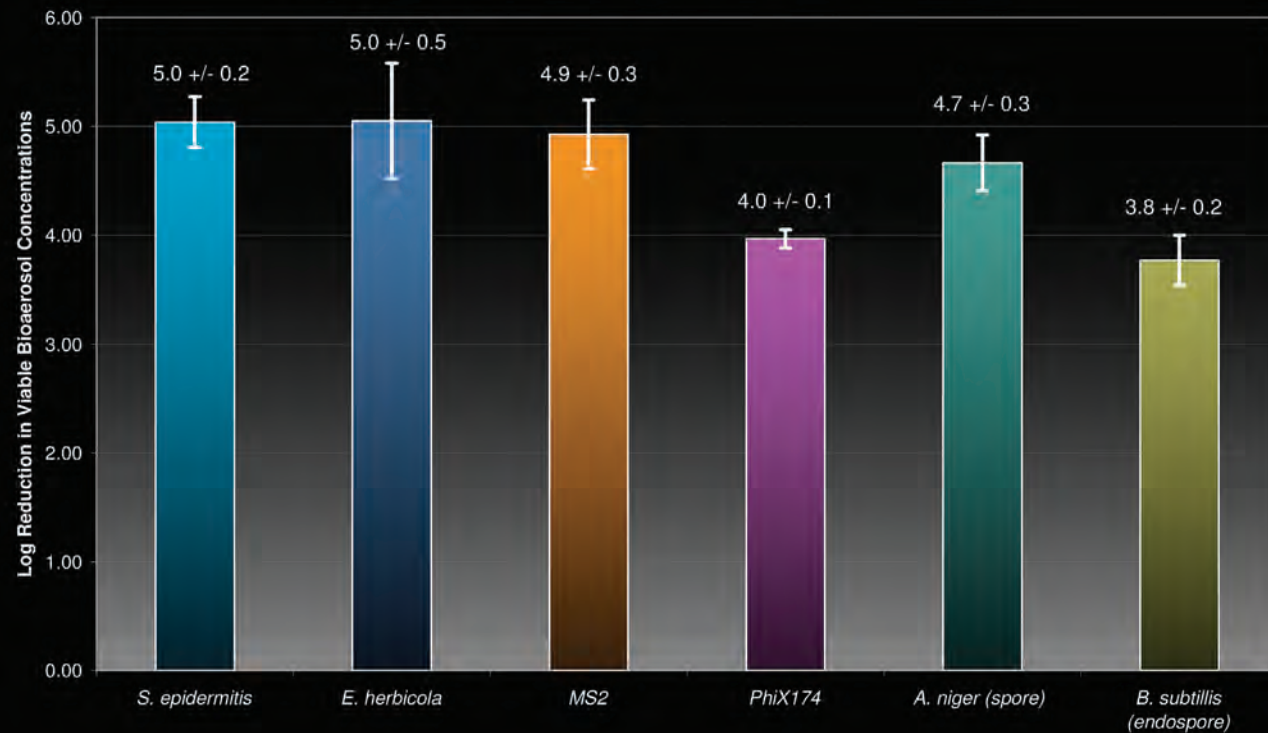
# SAFE & EFFECTIVE!

Sanitizing your surgical suites and/or entire practices 24/7 in populated spaces.

A recent FDA Class II Clearance Study provides the following 6 samples of kill rates!

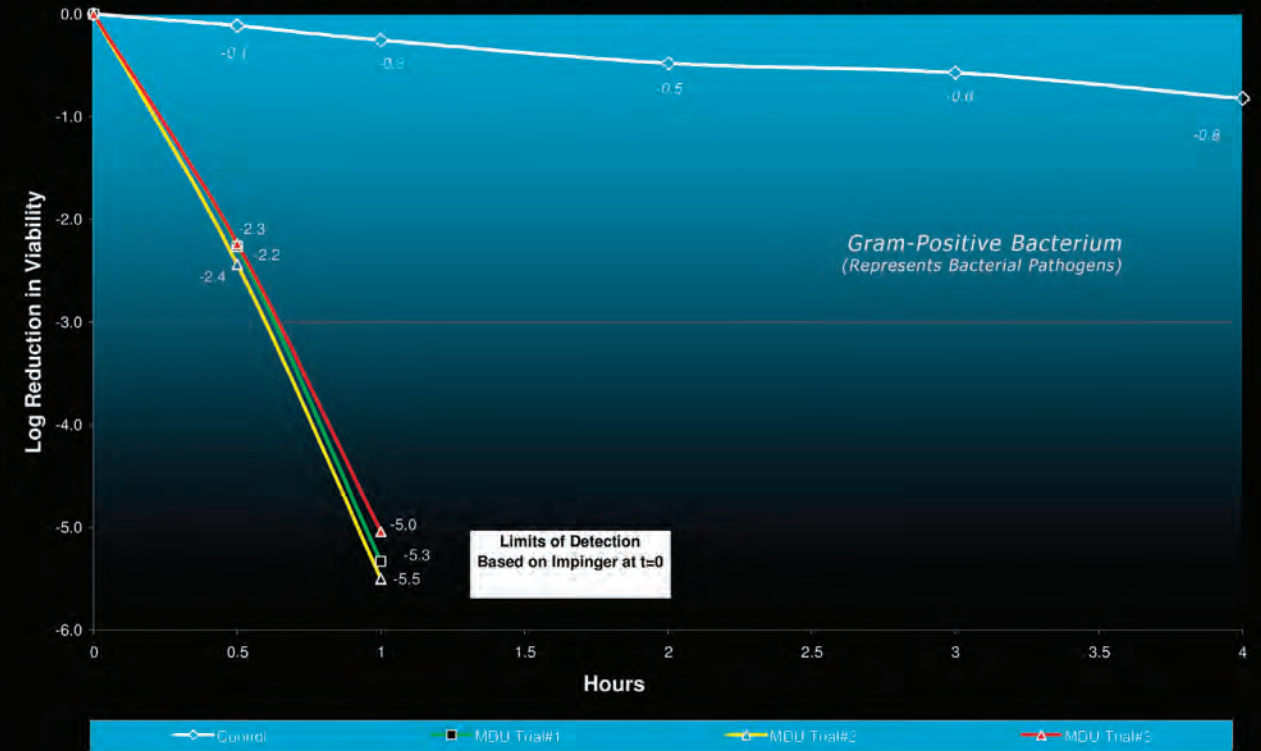
## Summary MDU/Rx Net Log Reduction

Large Chamber, Average +/- ST. Dev Log Reduction, Triplicate MDU/Rx Trials



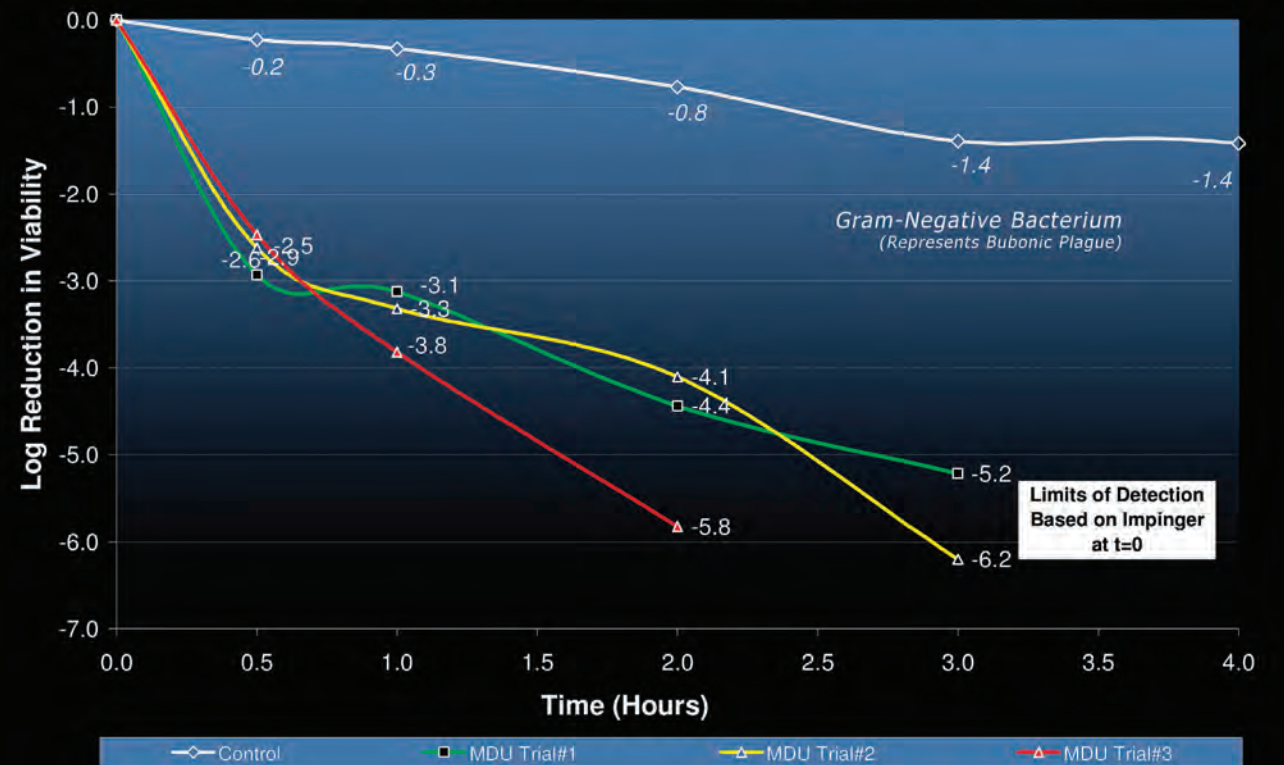
## Staphylococcus epidermidis - Reduction in Viable Concentration vs. Time

Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration in Triplicate



## E. herbicola - Reduction in Viable Concentration vs. Time

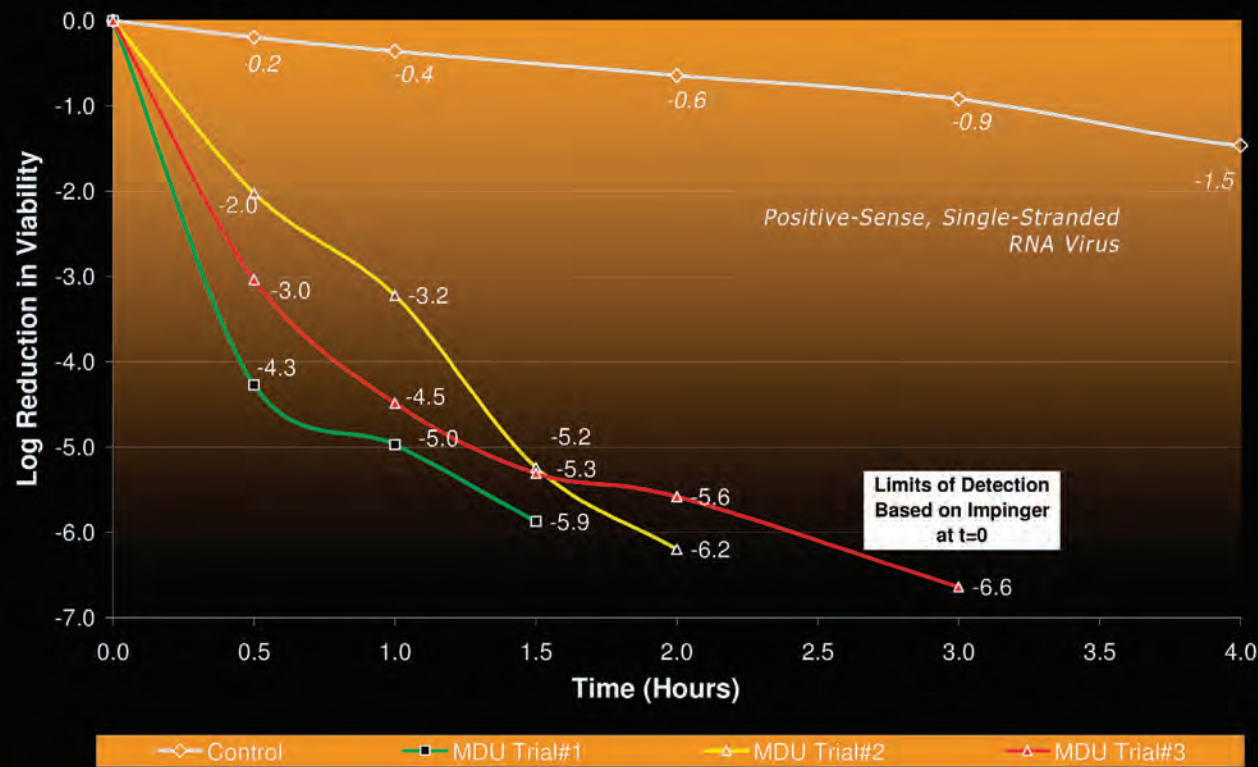
Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration





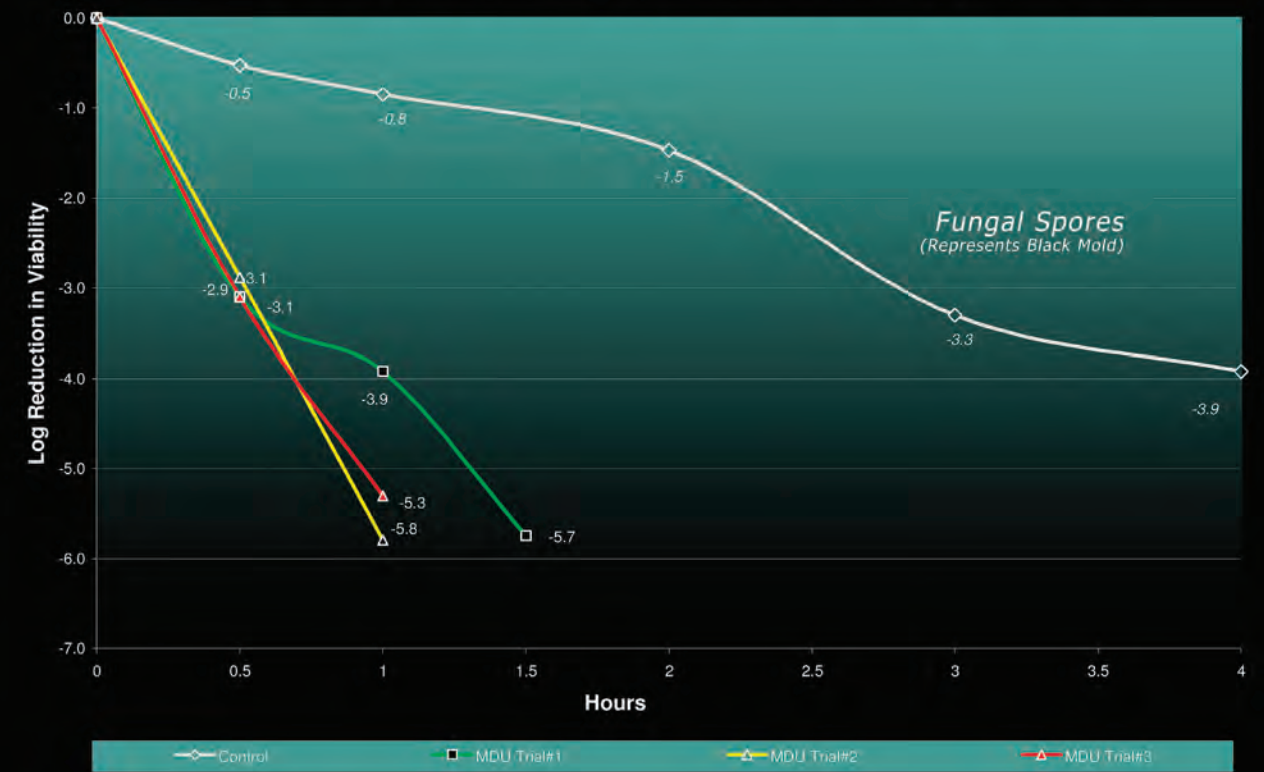
### MS2 - Reduction in Viable Concentration vs. Time

Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration



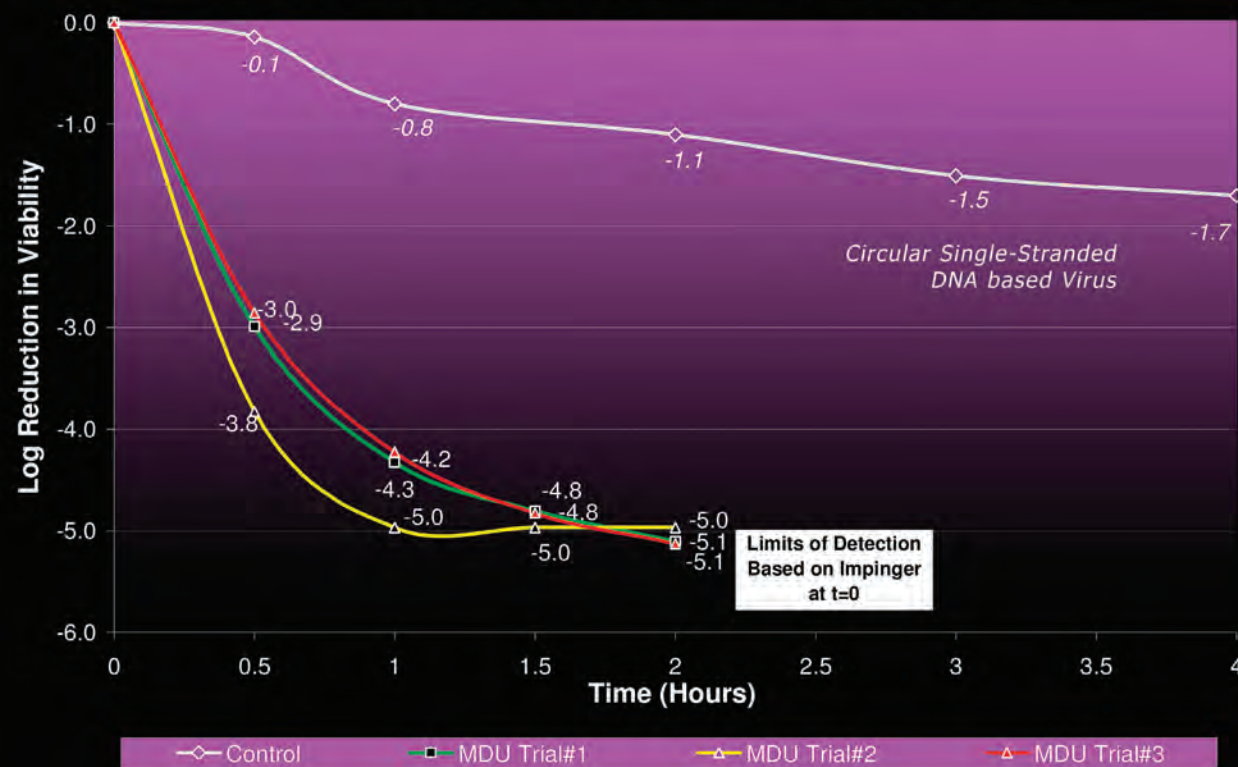
### A. Niger - Reduction in Viable Concentration vs. Time

Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration



### PhiX174 - Reduction in Viable Concentration vs. Time

Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration



### B. Subtilis Spores - Reduction in Viable Concentration vs. Time

Control + Triplicate MDU Decon Runs, Collison Nebulizer, AGI-30 Impinger Enumeration





Fresh Sanitized Air as intended by Nature!

Nature's Sanitizer:

2.6 million hydroxyls in each cubic centimeter of ambient outdoor air during daylight hours.

Hydroxyl Wave Technologies!

Available Indoors!



**HGI**  
industries inc.



Distributed By:  
**MASTEL**  
Precision Surgical Instruments, Inc.

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