SoClean DEVICE DISINFECTOR

Summary Statement

Various microorganisms that are most commonly found on household items were used for efficacy testing at each cycle duration. The Device Disinfector significantly reduced the presence of these species on glass, plastic and aluminum as reported in the chart below.

Efficacy Report Summary

20 Minute Cycle Length

Microbe	Log Reduction
Virus Influenza A (H1N1) ATCC VR-1469	**3 Log** **99.9%**
Bacteria *Staphylococcus aureus* ATCC 6538	**5 Log** **99.999%**
Bacteria *Staphylococcus aureus* ATCC 33591 (MRSA)	**5 Log** **99.999%**
Bacteria *Salmonella enterica* ATCC 10708	**5 Log** **99.999%**

5 Minute Cycle Length

Microbe	Log Reduction
Virus Influenza A (H1N1) ATCC VR-1469	**3 Log** **99.9%**
Bacteria *Staphylococcus aureus* ATCC 6538	**1 Log** **90%**
Bacteria *Staphylococcus aureus* ATCC 33591 (MRSA)	**2 Log** **99%**
Bacteria *Salmonella enterica* ATCC 10708	**5 Log** **99.999%**

Log Reduction Explained

Log Reduction is a mathematical term used to describe the relative number of live microorganisms killed on a surface.

90% reduction .....1 Log reduction: Number of microorganism is 10 times smaller
99% reduction.....2 Log reduction: Number of microorganism is 100 times smaller
99.9% reduction.....3 Log reduction: Number of microorganism is 1000 times smaller
99.99% reduction.....4 Log reduction: Number of microorganism is 10000 times smaller
99.999% reduction ..5 Log reduction: Number of microorganism is 100000 times smaller

Log information source https://microchemlab.com/information/log-and-percent-reductions-microbiology-and-antimicrobial-testing

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