



## 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.

[SoClean.com/device](https://SoClean.com/device)

## Efficacy Report Summary

**20 Minute  
Cycle Length**

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

**5 Minute  
Cycle Length**

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

### 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