

Below is a summary of the unaudited test data gathered in project # A07207 (SPS01120908.CUST.1).

In this test, we evaluated the efficacy of the Odorox Mobile Disinfection Unit against *Staphylococcus aureus* (ATCC 6538), *Pseudomonas aeruginosa* (ATCC 15442) and *Escherichia coli* (ATCC 11229) on stainless steel and cotton fabric carriers after exposures of 4 hours, 8 hours and 12 hours. We inoculated, dried and exposed control carriers, alongside the test, in order to determine the relative organism reduction as compared to the side by side control carrier survivors (See table 1). These results only show the reductions achieved based on the side by side survivors found on the control carriers. These data account for the natural die-off that occurs on the control carriers.

Table 2 summarizes the overall test organism reduction as compared to the starting inoculum (time zero) control carriers.

TABLE 1:

RELATIVE ORGANISM REDUCTION AS COMPARED TO SIDE BY SIDE QUANTITATION CONTROL CARRIERS

Test Substance	Test Organism	Carrier type	Exposure Time	Percent Reduction	Log ₁₀ Reduction
ODOROX Mobile Disinfection Unit (MDU Hydroxyl Generator)	<i>Staphylococcus aureus</i> (ATCC 6538)	Stainless Steel	4 hours	94.7%	1.274
			8 hours	>99.8%	2.984
			12 hours	>99.999%	>5.1
		Cotton Fabric	4 hours	>99.9%	>3.6
			8 hours	>99.9%	>3.1
			12 hours	>99.9%	>3.5
	<i>Escherichia coli</i> (ATCC 11229)	Stainless Steel	4 hours	>99.9%	>3.4
			8 hours	>99.9%	>3.1
			12 hours	>99.8%	>2.8
		Cotton Fabric	4 hours	>99.4%	>2.2
			8 hours	>99.0%	>2.0
			12 hours	>99.2%	>2.4
	<i>Pseudomonas aeruginosa</i> (ATCC 15442)	Stainless Steel	4 hours	>99.99%	>4.9
			8 hours	>99.99%	>4.5
			12 hours	>99.99%	>4.3
Cotton Fabric		4 hours	>99.8%	>2.9	
		8 hours	>99.8%	>2.8	
		12 hours	>99.8%	>2.7	

TABLE 2:

OVERALL ORGANISM REDUCTION AS COMPARED TO TIME ZERO QUANTITATION CONTROL CARRIERS

Test Substance	Test Organism	Carrier type	Exposure Time	Percent Reduction	Log ₁₀ Reduction
ODOROX Mobile Disinfection Unit (MDU Hydroxyl Generator)	<i>Staphylococcus aureus</i> (ATCC 6538)	Stainless Steel	4 hours	93.9%	1.211
			8 hours	>99.8%	2.841
			12 hours	>99.999%	>5.1
		Fabric	4 hours	>99.9%	>3.5%
			8 hours	>99.9%	>3.5%
			12 hours	>99.9%	>3.5%
	<i>Escherichia coli</i> (ATCC 11229)	Stainless Steel	4 hours	>99.99%	>4.2
			8 hours	>99.99%	>4.2
			12 hours	>99.99%	>4.2
		Fabric	4 hours	>99.9%	>3.4
			8 hours	>99.9%	>3.4
			12 hours	>99.9%	>3.4
	<i>Pseudomonas aeruginosa</i> (ATCC 15442)	Stainless Steel	4 hours	>99.999%	>5.1
			8 hours	>99.999%	>5.1
			12 hours	>99.999%	>5.1
Fabric		4 hours	>99.9%	>3.5	
		8 hours	>99.9%	>3.5	
		12 hours	>99.9%	>3.5	

If you have any questions, please let me know.

Sincerely,

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