



Study Update

Sponsor: Gary Russoti, SAM Air Systems

Study ID: NG16192

Date: 13 NOV 2020

Test Microorganism	Run Type	Treatment Time Point	Replicate	CFU/m ³	Percent Reduction Compared to Time Zero	Log ₁₀ Reduction Compared to Time Zero	Adjusted Log ₁₀ Reduction ¹ Compared to Baseline
<i>B. subtilis</i> ATCC 19659	Baseline	Time Zero	Replicate 1	5.81E+07	N/A		
		15 Minute	Replicate 1	4.97E+07	14.39%	0.07	N/A
		30 Minute	Replicate 1	4.22E+07	27.27%	0.14	N/A
		60 Minute	Replicate 1	4.14E+07	28.79%	0.15	N/A
		90 Minute	Replicate 1	2.07E+07	64.30%	0.45	N/A
	Test	Time Zero	Replicate 1	9.41E+07	N/A		
		15 Minute	Replicate 1	2.42E+06	97.429%	1.59	1.52
		30 Minute	Replicate 1	6.89E+04	99.9268%	3.14	3.00
		60 Minute	Replicate 1	8.40E+01	99.99991%	6.05	5.90
		90 Minute	Replicate 1	< 8.64E+01	> 99.99991%	> 6.04	> 5.59

*The limit of detection for this assay is 8.00+01 CFU/m³ and values below the limit of detection are noted as "<8.00E+01" in the data table.
¹The Log reductions for the Test Runs are adjusted to account for natural die-off and gravitational settling observed in the Control Run.*

The data in this update has not been through a technical review. The results reflect final counts for enumerations performed on the day of testing.