



Cambridge Investment Partners

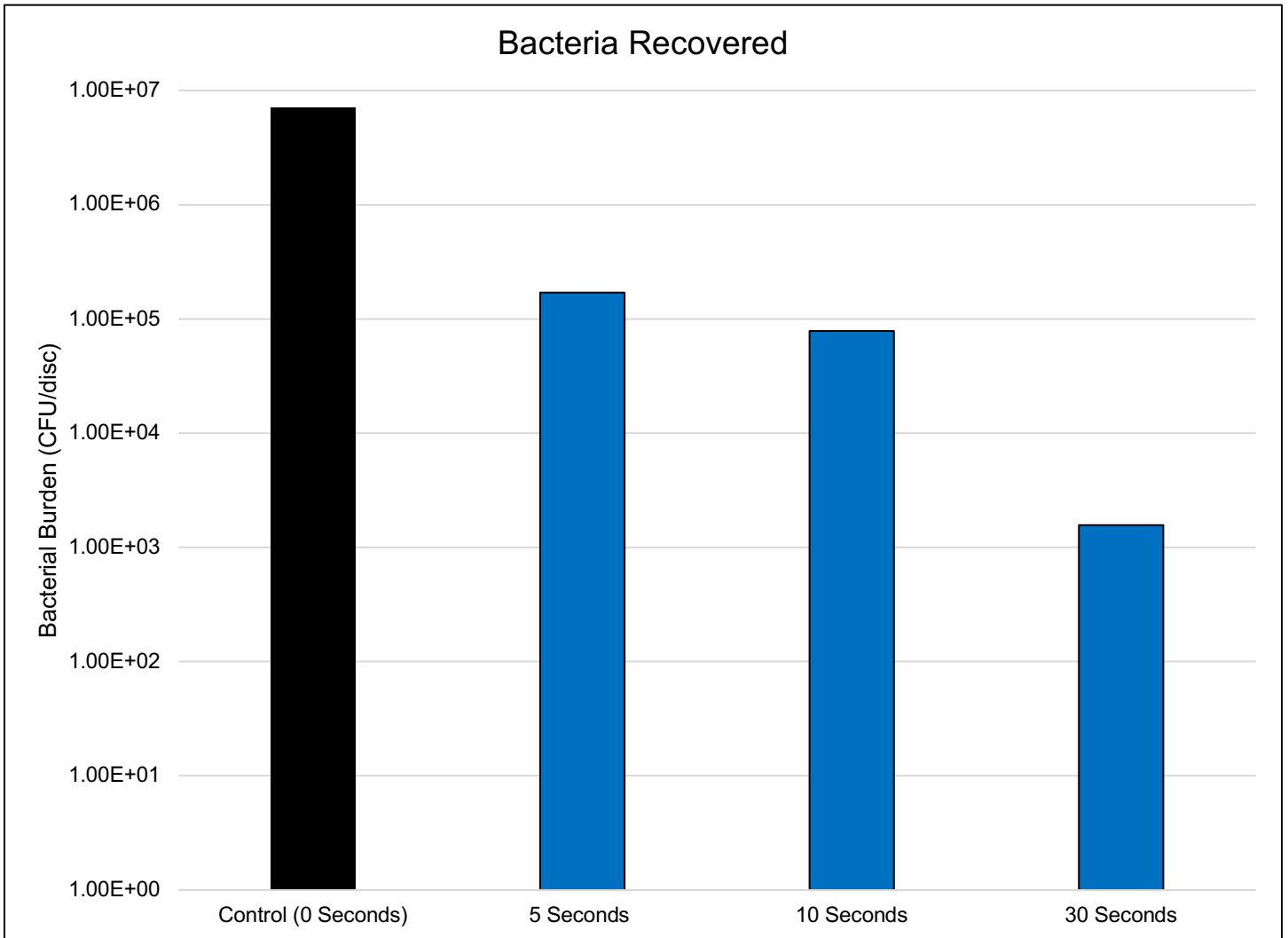
Antimicrobial Evaluation of Cambridge UV Treated Articles

Test Method Details

Test Method	Modified ASTM E2197
Test Organism	Methicillin-resistant <i>Staphylococcus aureus</i> (ATCC 33591) (MRSA)
Test Solution	Phosphate Buffered Saline (1x) with Serum (5%)
Test Discs	20mm diameter magnetic stainless steel discs
Inoculum Applied to Test Disc	0.010 mL applied to each disc and spread to within 1 mm of edges, then dried
Recovery Solution	5 mL Phosphate Buffered Saline (1x) with Triton X-100 surfactant (0.1%)
Measuring Method of Number of Viable Bacteria	Dilution Plate Method onto nutritive Tryptic Soy Agar (1x)

Preliminary Results – MRSA disc testing

Modified ASTM E2197: Standard Quantitative Disk Carrier Test Method				
Number of Replicate Experiments		1		
Number of Replicate Discs per Experiment		3		
Exposure Time (seconds)	Average Bacterial Burden (CFU/disc)	Average Log Bacterial Burden (CFU/disc)	Log Reduction (vs Control)	Percent Reduction (vs Control)
0 (Control)	7.09E+06	6.85	--	--
5	1.70E+05	5.23	1.62	97.60%
10	7.83E+04	4.89	1.96	98.90%
30	1.57E+03	3.19	3.66	99.98%



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