



**Violux Ultraviolet**

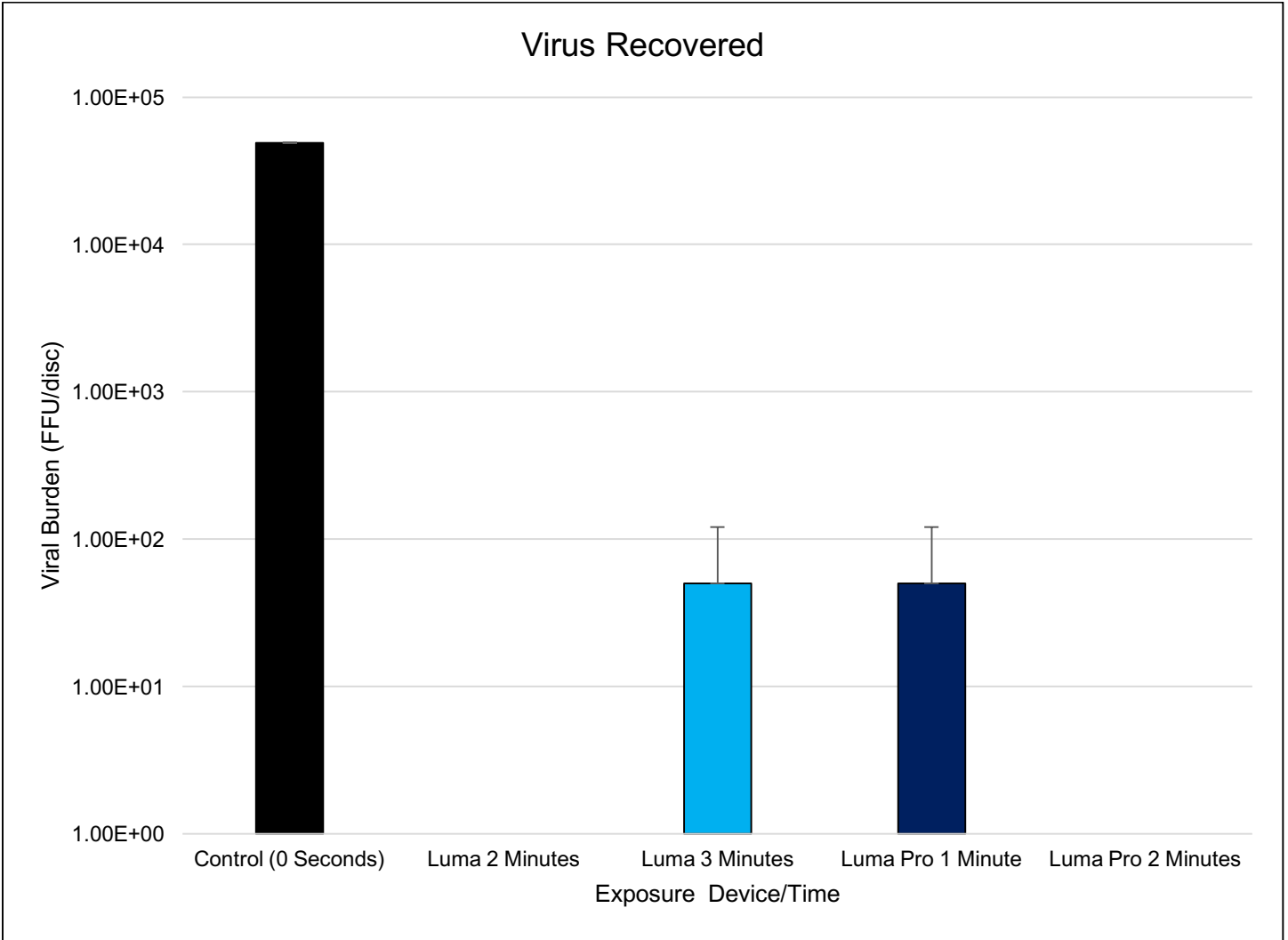
**Antimicrobial Evaluation of Violux UV Treated Articles**

**Test Method Details**

Test Method	Modified ASTM E2197
Test Organism	H1N1 Influenza
Test Solution	Eagle's Modified Medium
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 at room temperature
Recovery Solution	10 mL modified SCDLP Buffer
Measuring Method of Number of Viable Virus	Dilution Plate Method onto Madin-Darby Canine Kidney (MDCK) cells, viral particles were determined using an anti-H1N1 monoclonal antibody. Foci were then counted giving Foci Forming Units (FFU).

**Results – H1N1 disc testing**

Modified ASTM E2197: Standard Quantitative Disk Carrier Test Method				
Number of Replicate Experiments		1		
Number of Replicate Discs per Experiment		2		
Exposure Device and Time	Average Viral Burden (FFU/disc)	Average Log Viral Burden (FFU/disc)	Log Reduction (vs Control)	Percent Reduction (vs Control)
Control	4.90E+04	4.69	--	--
Luma (16W)- 2 minutes	0.00E+00	0.00	4.69	100.00%
Luma (16W)- 3 minutes	5.00E+01	1.70	2.99	99.90%
Luma Pro (32W)- 1 minute	5.00E+01	1.70	2.99	99.90%
Luma Pro (32W)- 2 minutes	0.00E+00	0.00	4.69	100.00%



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