

Study Report – AtmosAir vs. Coronavirus



Test Report | Microchem Laboratory

Test Results at 30 minutes

Study Title

Virucidal Efficacy of a Test Substance For Use on Inanimate, Nonporous Surfaces

Product Identity

AtmosAir Matterhorn Series

Standardized Test Method

ASTM E1053

Maximum Ionization Rate

1,500 ions cm/3

		Test Results Replicate 1 30 minutes	Test Results Replicate 2 30 minutes	Test Results Replicate 3 30 minutes
Cell Control		0 0 0 0	0 0 0 0	0 0 0 0
Dilution	10⁻¹	0 0 0 +	0 0 0 +	0 0 0 0
	10⁻²	0 0 0 0	0 0 0 0	0 0 0 0
	10⁻³	0 0 0 0	0 0 0 0	0 0 0 0
	10⁻⁴	0 0 0 0	0 0 0 0	0 0 0 0
	10⁻⁵	0 0 0 0	0 0 0 0	0 0 0 0
TCID₅₀ per 0.1 ml		0.75 Log ₁₀	0.75 Log ₁₀	≤0.50 Log ₁₀
TCID₅₀ per Carrier		1.05 Log ₁₀	1.05 Log ₁₀	≤0.80 Log ₁₀
Average Log₁₀ Reduction		2.78 Log ₁₀		
Average Percent Reduction		99.92%		

Test Result

The presence of coronavirus was reduced by 99.92% within 30 minutes of exposure to AtmosAir’s bi-polar ionization technology

Key: + = Virus recovered; 0 = Virus not recovered and/or no cytotoxicity observed; T = Cytotoxicity observed; †Taking cytotoxicity and neutralization controls into account.