

TEST RESULTS FROM MICROCHEM LABORATORY

HUMAN CORONAVIRUS STRAIN 229E ATCC VR-740

Surface test 10 June 2020
99.92% reduction in 30 minutes

Table 2: Test Results at 30 minutes

		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
TCID ₅₀ per 0.1 ml		0.75 Log ₁₀	0.75 Log ₁₀	≤0.50 Log ₁₀
TCID ₅₀ per Carrier		1.05 Log ₁₀	1.05 Log ₁₀	≤0.80 Log ₁₀
Average Log ₁₀ Reduction		2.78 Log ₁₀		
Average Percent Reduction		99.92%		

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

Surface test on fabric mask 11 Sept 2020
Over 99.44% reduction in 30 minute test

Table 2: Test Results- Grey Fabric

		Test Sample for Grey Fabric - 15 minutes	Test Sample for Grey Fabric - 30 minutes
Cell Control		0 0 0 0	0 0 0 0
Dilution	10 ^{-1.30}	0 0 0 0	0 0 0 0
	10 ^{-2.30}	0 0 0 0	0 0 0 0
	10 ^{-3.30}	0 0 0 0	0 0 0 0
	10 ^{-4.30}	0 0 0 0	0 0 0 0
	10 ^{-5.30}	0 0 0 0	0 0 0 0
	10 ^{-6.30}	0 0 0 0	0 0 0 0
TCID ₅₀ per 0.1 ml		≤ 0.80 Log ₁₀	≤ 0.80 Log ₁₀
Log Reduction		≥2.25 Log ₁₀	≥2.25 Log ₁₀
Percent Reduction		≥99.44%	≥99.44%

Key: + = Virus recovered; 0 = Virus not recovered and/or no cytotoxicity observed;
 T = Cytotoxicity observed;