



STUDY RESULTS

15 Second Exposure Time

The titer of the virus control was 6.25 log₁₀. Following exposure, test virus infectivity was not detected in the virus-test substance mixture at any dilution tested (≤ 1.50 log₁₀).

Cytotoxicity and Neutralization Controls

Test substance cytotoxicity was not observed at any dilution tested (≤ 1.50 log₁₀). The neutralization control demonstrated that the test substance was neutralized at ≤ 1.50 log₁₀.

STUDY CONCLUSION

Under the conditions of this investigation and in the presence of a 1% fetal bovine serum organic soil load, JJJee, ready to use, demonstrated a $\geq 99.998\%$ reduction in viral titer following a 15 second exposure time to SARS-Related Coronavirus 2 at room temperature (19.34°C) as compared to the titer of the corresponding virus control. The log reduction in viral titer was ≥ 4.75 log₁₀.

In the opinion of the Study Director, there were no circumstances that may have adversely affected the quality or integrity of the data.

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TABLE 1: Virus Control and Test Results

**Effects of JJJee Against SARS-Related Coronavirus 2
in Suspension Following a 15 Second Exposure Time**

| Dilution | Virus Control | Test: SARS-Related Coronavirus 2 + JJJee |
|-----------------------------|--------------------|------------------------------------------|
| Cell Control | 0 0 0 0 | 0 0 0 0 |
| 10 ⁻² | + + + + | 0 0 0 0 |
| 10 ⁻³ | + + + + | 0 0 0 0 |
| 10 ⁻⁴ | + + + + | 0 0 0 0 |
| 10 ⁻⁵ | + + + + | 0 0 0 0 |
| 10 ⁻⁶ | + + + 0 | 0 0 0 0 |
| 10 ⁻⁷ | 0 0 0 0 | NT |
| TCID ₅₀ /100 µL | 10 ^{6.25} | ≤10 ^{1.50} |
| Percent Reduction | NA | ≥99.998% |
| Log ₁₀ Reduction | NA | ≥4.75 log ₁₀ |

- (+) = Positive for the presence of test virus
- (0) = No test virus recovered and/or no cytotoxicity present
- (NA) = Not applicable
- (NT) = Not tested

**TABLE 2: Cytotoxicity and Neutralization Control Results**

| Dilution | Cytotoxicity Control | Neutralization Control |
|---------------------------|----------------------|-------------------------------------------------------------------------|
| | JJJe | Cytotoxicity Control JJJe + SARS-Related Coronavirus 2 |
| Cell Control | 0 0 0 0 | 0 0 0 0 |
| 10 ⁻² | 0 0 0 0 | + + + + |
| 10 ⁻³ | 0 0 0 0 | + + + + |
| 10 ⁻⁴ | 0 0 0 0 | + + + + |
| TCD ₅₀ /100 µL | ≤10 ^{1.50} | Neutralized at a TCID ₅₀ / 100 µL of ≤1.50 Log ₁₀ |

(+) = Positive for the presence of test virus

(0) = No test virus recovered and/or no cytotoxicity present