

May 19, 2021

SUMMARY:

Under contract, the University of Missouri Laboratory for Infectious Disease Research (LIDR) successfully performed efficacy testing of CerroZone™ to inactivate airborne SARS CoV-2. Based on the results of test 2 we calculated a reduction of viable airborne SARS-CoV-2 of at least:

Test 2	
Test Date: Nov. 5, 2020	
Run 1:	
Ozone generation rate	of 1000 mg/hr
Live virus recovered upstream of Ozone generator:	1.58E+04 TCID ₅₀ /mL
Live virus recovered downstream of Ozone generator:	Below limit of detection*
Run 2:	
Ozone generation rate	of 0 mg/hr
Live virus recovered upstream of Ozone generator:	1.58E+04 TCID ₅₀ /mL
Live virus recovered downstream of Ozone generator:	1.58E+04 TCID ₅₀ /mL

*Limit of Detection is 5 TCID₅₀/mL or less based on previous experiments

$$[(1.58E+04 \text{ TCID}_{50}/\text{mL} - 5 \text{ TCID}_{50}/\text{mL}) / 1.58E+04 \text{ TCID}_{50}/\text{mL}] \times 100 = 99.97\%$$

Single-pass Percent Reduction:	99.97%
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