

# PATHOGEN TEST RESULTS

## Air Purification & Ventilation



### Air Purification Using Needle Point Bi-polar Ionization

All tests were run using proprietary NPBI™ technology.

#### SARS-CoV-2

Pathogen	Time In Chamber	Rate of Reduction	Test Agency
SARS-CoV-2	30 minutes	99.95%	Innovative Bioanalysis

This test was run using the GPS-DM48-AC in a test designed to mimic ionization conditions like that of a commercial aircraft's fuselage. Based on viral titrations, it was determined that at 10 minutes, 84.2% of the virus was inactivated. At 15 minutes, 92.6% of the virus was inactivated, and at 30 minutes, 99.95% of the virus was inactivated.

#### Other Airborne Pathogens

Pathogen	Time In Chamber	Rate of Reduction	Test Agency
E.coli	15 minutes	99.68%	EMSL
C.diff	30 minutes	86.50%	EMSL
Noro Virus	30 minutes	93.50%	EMSL
MRSA	15 minutes	96.24%	EMSL