

Take action toward

# CLEANER,

safer

# AIR

**250K+**  
satisfied  
installations

Through our patented needlepoint bipolar ionization technology known as NPBI(TM), airborne particulates, odors and pathogens are significantly reduced in the air. All while saving you energy consumption and lowering your carbon footprint.

GPS cleans the air safely, without introducing ozone or other harmful by-products.

## Results-driven technology

Third-party testing shows: **GPS gets the job done.**



### SENSITIVITY TESTING

A petri dish containing a pathogen is placed underneath a laboratory hood, then monitored to assess the pathogen's reactivity to NPBI over time. This controlled environment allows for comparison across different types of pathogens. Sensitivity Testing is not a measure of pathogen inactivation in the air.



### SIMULATION TESTING

Simulation testing measures in-air inactivation of pathogens. Counts of an airborne pathogen are taken before and after aerosolizing that pathogen into a sealed, unoccupied laboratory environmental room installed with NPBI technology.



### SPECIALTY TESTING

Unoccupied laboratory test environments are designed to evaluate NPBI performance in conditions unique to particular industries or customers, and may include special circumstances such as higher than average ion concentrations. Review individual test results for details.

**The 2020 SARS-CoV-2 specialty testing conducted by Innovative Bioanalysis is not a measure of pathogen inactivation in the air.**

Pathogen	Time in Chamber	Rate of Reduction	Test Agency
Norovirus <sup>†</sup>	30 minutes	<b>93.5%</b>	ATS Labs
Human Coronavirus 229E <sup>*</sup>	60 minutes	<b>99.0%</b>	Analytical Lab Group
Legionella	30 minutes	<b>99.7%</b>	EMSL
Clostridium Difficile	30 minutes	<b>88.9%</b>	EMSL

Pathogen	Time in Chamber	Rate of Reduction	Test Agency
Tuberculosis	60 minutes	<b>69.1%</b>	EMSL
MRSA	30 minutes	<b>96.2%</b>	EMSL
Staphylococcus	30 minutes	<b>96.2%</b>	EMSL
E.coli	15 minutes	<b>99.7%</b>	EMSL

Pathogen	Time in Chamber	Rate of Reduction	Test Agency
SARS-CoV-2 <sup>**</sup>	30 minutes	<b>99.8%</b> Inactivation rate measured on aluminum and other surfaces	Innovative Bioanalysis

Please note that testing the reduction rate of SARS-Cov-2 with GPS' NPBI product is an evolving process and additional testing is anticipated to be conducted in the future. While this is not a surface disinfectant, this testing demonstrates a decrease in active virus on surfaces through particle aggregation.

<sup>†</sup> Surrogate for Norovirus, actual strain tested was Feline Calicivirus, ATCC VR-782, Strain F-9

<sup>\*</sup> Human Coronavirus 229 is not SARS-CoV-2

<sup>\*\*</sup> Not an FDA Cleared Air Purification System

Global Plasma Solutions (GPS) uses multiple data points to formulate performance validation statements. GPS technology is used in a wide range of applications across diverse environmental conditions. Since locations will vary, clients should evaluate their individual application and environmental conditions when making an assessment regarding the technology's potential benefits.

The use of this technology is not intended to take the place of reasonable precautions to prevent the transmission of pathogens. It is important to comply with all applicable public health laws and guidelines issued by federal, state, and local governments and health authorities as well as official guidance published by the Centers for Disease Control and Prevention (CDC) (<https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>), including but not limited to social distancing, hand hygiene, cough etiquette, and the use of face masks.