

# BIPOLAR IONIZATION TEST DATA

Bipolar Ionization Technology has been tested by independent accredited third-party testing labs.\* Units tested utilize patented bipolar ionization technology to create a high concentration of positive and negative Oxygen ions into the air which neutralizes pathogens\* and improves indoor air quality.

## BACTERIA TESTING

Substance Name	Testing Organization	Removal
Escherichia Coli*	EMSL Analytical, USA	99%
Escherichia Coli ATCC*	Istanbul University, Turkey	91%
Staphylococcus Aureus*	EMSL Analytical, USA	91%
Pseudomonas Aeruginosa*	Istanbul University, Turkey	99%
Staphylococcus Aureus (MRSA)*	EMSL Analytical, USA	99%

## FUNGUS TESTING

Substance Name	Testing Organization	Removal
Aspergillus Niger*	EMSL Analytical, USA	97%
Dichobotrys Abundans*	Prof. Joe F. Boatman, USA	90%
Penicillium*	Prof. Joe F. Boatman, USA	95%

## MOLD TESTING

Substance Name	Testing Organization	Removal
Cladosporium Cladosporioides*	EMSL Analytical	97%

## SPORES TESTING

Substance Name	Testing Organization	Removal
Bacillus Subtilis Var Niger*	Istanbul University, Turkey	89%

## VIRUSES TESTING

Substance Name	Testing Organization	Removal
H1N1*	Kitasato Research Center, Japan	99%
H5N1*	Kitasato University, Thailand	99%
Human coronavirus OC43 (hCoV-OC43)*	HY LABS, Israel	99%
SARS-COV-2*	University of Patras, Greece	99.9%
SARS-COV-2*	Innovative Bioanalysis, USA	99.998%

**Disclaimer** - EXP ionization technology is not a medical device aimed to treat symptoms and/or cure any disease, including COVID-19 and/or any other medical condition.

\*In a lab setting

### E. COLI

E. coli bacteria that is commonly found in the lower intestine and can cause serious food poisoning.

### S. AUREUS

One of the most important bacteria that cause disease in humans. It is the leading cause of skin and soft tissue infections.

### PSEUDOMONAS AERUGINOSA

Has a strong resistance to antibiotics because they have an increased ability to remove antibiotics from the inside of the cell.

### MRSA

Methicillin-resistant Staphylococcus aureus (MRSA) is a cause of staph infection that is difficult to treat because of resistance to some antibiotics.

### ASPERGILLUS NIGER

Known commonly as Black Mold, it is known to grow in damp places and is responsible for causing respiratory illness in humans.

### DICHOBOTRYS ABUNDANS

Microscopic fungi can lead to rashes and fungal infections on the skin.

### PENICILLIUM

A green or blue fungi that is commonly found to grow on food, fabrics, and leathers.

### CLADOSPORIUM CLADOSPORIODES

Cladosporium is a common mold that may affect your health. It can cause allergies and asthma in some people. In very rare cases, it can cause infections.

### BACILLUS SUBTILIS VAR NIGER

A spore that is used for fermentation but has been known to cause illness in patients with compromised immune states that can lead to pneumonia.

### H1N1

A strain of Influenza A associated with the outbreaks of the swine flu pandemics of 1918, 1977, and 2009.

### H5N1

H5N1 is a strain of Influenza virus that causes a highly infectious, severe respiratory disease in birds called avian influenza.

### HUMAN CORONAVIRUS OC43

Human coronavirus OC43 is a member of the species Betacoronavirus 1 and is one of seven known coronaviruses to infect humans.

### SARS-COV-2

Novel coronavirus, a highly contagious virus that causes severe respiratory illness including the 2020 COVID-19 pandemic.