
Greentech
A scientific approach to air purification

Technology rooted in science

We test our products in real world spaces as well as laboratory-controlled environments to better understand efficacy

Indoor air quality (IAQ) is dynamic. Levels of pathogens, particles, and VOC continuously change based on countless variables such as people coming and going, activities taking place, and kinds of materials used in the space. **Labs can't recreate it**.

While the recent pandemic has increased awareness of the **importance of air quality** to mitigate pathogens, the continuous reduction of particles and volatile organic compounds (VOC) is equally important when creating a **healthier indoor environment**.

Yes, **we've successfully inactivated SARS-CoV2** in a laboratory-controlled chamber (we get that question a lot). But we've also reduced total VOC by >99% in a 1240 sq. ft. commercial space.

We're equally proud of both facts, **as well as many other results**.

Attached is a summary of some of the testing we have performed this year across the broad spectrum of our purification technologies.

pureAir BY GREENTECH

SARS-CoV-2 Aerosol - pureAir Active HEPA+				
Laboratory	MRI Global			
Technologies	ODOGard	HEPA	PCO	BPI
Testing Space	13 cubic feet			
Testing Time	10 air exchanges			
Result	**99.98% inactivation**			

SARS-CoV-2 Aerosol - pureAir 3000+				
Laboratory	MRI Global			
Technologies	ODOGard	PCO	BPI	
Testing Space	13 cubic feet			
Testing Time	10 air exchanges			
Result	**99.98% inactivation**			

SARS-CoV-2 Surface - pureAir HVAC				
Laboratory	MRI Global			
Technologies	ARC	BPI		
Testing Space	729 cubic feet			
Testing Time	4 hours			
Result	**86.98% inactivation**			

S. aureus, P. aeruginosa, A. brasiliensis bacteria - treated material				
Laboratory	Michrochem			
Technologies	ODOGard			
Testing Space	4.8 cm diameter treated material			
Testing Time	1 hour			
Result	**Greater than 99.99% reduction (beyond limits of detection)**			

Mold spores in air - pureAir HVAC				
Real World Setting	IAQS field test at 1501 Lehigh St.			
Technologies	ARC	BPI	MERV 13 (not treated)	
Testing Space	1200 square ft. commercial space			
Testing Time	5 days			
Result	**86% reduction**			

Bacteria counts on surface - pureAir HVAC				
Real World Setting	IAQS field test at 1501 Lehigh St.			
Technologies	ARC	BPI	MERV 13 (not treated)	
Testing Space	1200 square ft. commercial space			
Testing Time	5 days			
Result	**90% reduction**			

TVOC and HCHO (formaldehyde) - pureAir HVAC				
Real World Setting	IAQS field test at 1501 Lehigh St.			
Technologies	ARC	BPI	MERV 13 (not treated)	
Testing Space	1200 square ft. commercial space			
Testing Time	5 days			
Result	**75% reduction TVOC and 99.9% reduction HCHO**			