



AirAnswers[®] 

**AirAnswers[®] Air Diagnostics[™]
Technology Plays A Key Role In
Understanding Your Patients'
Environmental Exposure And
Addressing Environmentally
Acquired Illnesses**

www.airanswers.com

GET TO THE ROOT CAUSE OF ENVIRONMENTALLY ACQUIRED ILLNESSES WITH THE AirAnswersTM AIR MONITORING SYSTEM

AirAnswersTM is dedicated to revolutionizing air quality monitoring by providing cutting-edge technology that gives you important insight into the air quality of your patients' homes.

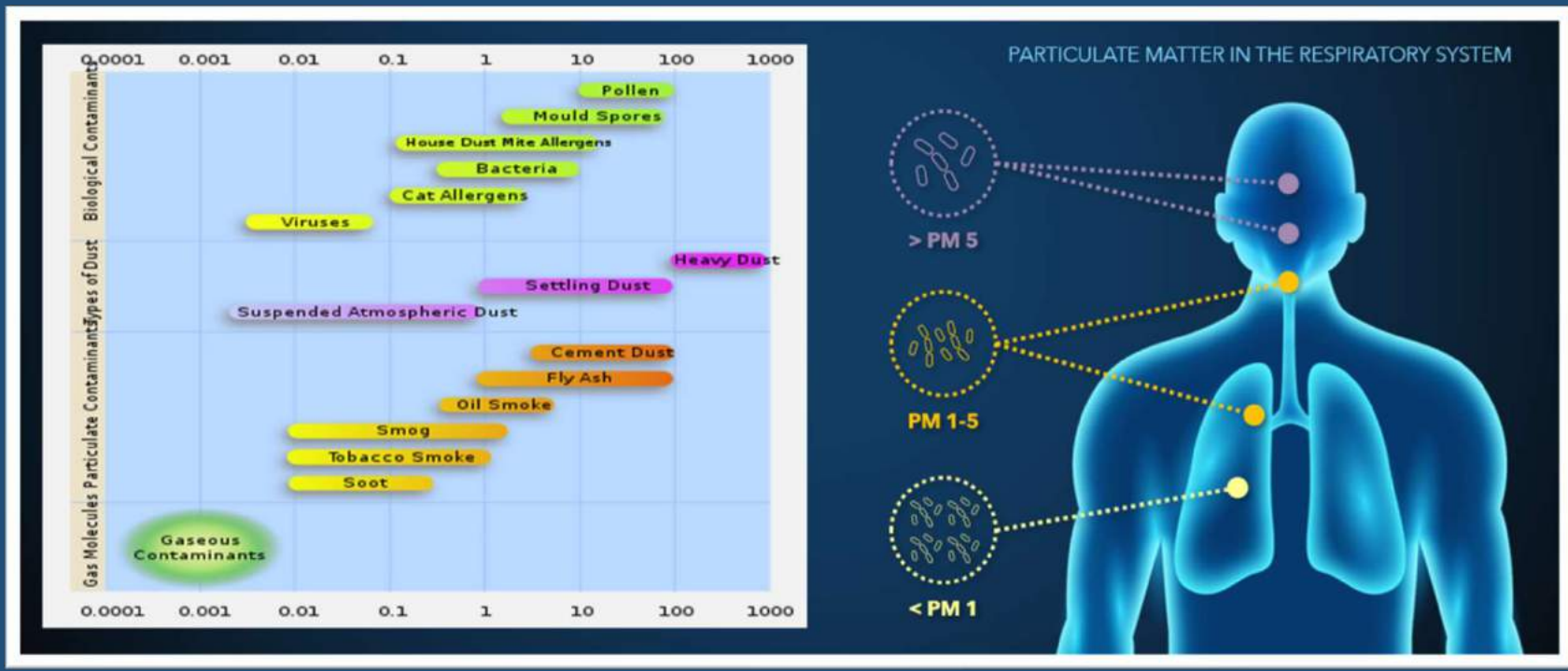
Our state-of-the-art air monitoring system can significantly enhance your ability to identify and treat the root cause of your patients health concerns by providing you with the full picture of their homes unique environmental exposure.

AirAnswers air sampling technology offers the ability to test for a wide range of airborne contaminants, including molds, mycotoxins, allergens and viruses in an easy to use, silent device that gives you the answers you're looking for without causing any interruption in your patients normal daily activities.



AirAnswers MAKES THE INVISIBLE, VISIBLE

AirAnswers is the only system that can capture all categories of airborne biological contaminants, including a full spectrum of allergens, molds, mycotoxins, and viruses down to 0.1 micron in size that can deeply penetrate deeply into the lungs and triggering health issues like joint pain, brain fog, abdominal issues, night sweats, headaches, respiratory issues, and other symptoms of CIRRS, Chronic Fatigue Syndrome, and Sick Building Syndrome



FEATURES AND BENEFITS OF AirAnswers[®]



AirAnswers[®]
 Making the Invisible, Visible.

Features

Benefits

Ability to capture particulate down to 0.1 microns

AirAnswers collects the ultra fine airborne particulate that can cause significant health issues for your patients.

A single sample can be used to evaluate multiple contaminants

AirAnswers expansive testing menu captures a wide spectrum of molds, mycotoxins, allergens, fungi and even viruses giving you and your patients important information about their environmental exposure so they can make informed decisions and targeted remediation efforts.

Easy to Use, Silent, Plug & Play Device with Broad Use

AirAnswers takes complex technology and makes it easy to use so our patients don't have to worry about setup times or obtrusive products. Simply plug it in and let it run to address a wide variety of air quality concerns that can cause a number of serious health concerns.

Whole home testing with one AirAnswers cartridge

AirAnswers makes testing a whole home for airborne dangers easy and cost effective for your patients since only one sample is needed per home.

Large capacity for for sampling particulates

Allows for in-depth data over a protracted length of time of up to 5 days so we capture a large sample of the air and its contaminants so you get a thorough reading of your patients environment.

Able to detect a variety of bioparticulates that are invisible to the naked eye

Provides higher quality information that is especially useful in determining if a problem exists in structures where health symptoms have been reported but no visible issue is present

AirAnswers[®] TESTING MENU GIVES YOU THE FULL PICTURE

- **Mold**
 - (1→3)-β-d-glucan
 - Powdery Mildew & Botrytis
 - ERMI+3: identifies 39 species of mold
 - Genus ID: Penicillium, Aspergillus, Chaetium, Stachybotrys, Fusarium, Memnoniella, and Trichoderma, Cladosporium)
- **Opportunistic Fungal Pathogens:** Aspergillus fumigatus, Aspergillus niger, Mucor, and Candida albicans
- **Mycotoxins:** Trichothecene, Ochratoxin, Aflatoxin, Fumonisin
- **Allergens**
- **SARS-CoV-2**



CASE STUDY: IMPROVED AIR QUALITY FOR ASTHMA PATIENTS

- **AirAnswers Detection** - AirAnswers® identified known asthma irritants in the home.
- **Asthma Educators Recommendations** - identified and sent remediation supplies.
- **Significant Improvement** - in home air quality



Results demonstrate that virtual home assessments paired with air monitoring can significantly improve the health of children with asthma.

BEFORE VIRTUAL HOME ASSESSMENT

PATIENT A:

14

ACT SCORE

PATIENT B:

15

ACT SCORE

AFTER VIRTUAL HOME ASSESSMENT

PATIENT A:

23

ACT SCORE

PATIENT B:

27

ACT SCORE



The AirAnswers Technology

HOW THE AirAnswers[®] TECHNOLOGY WORKS

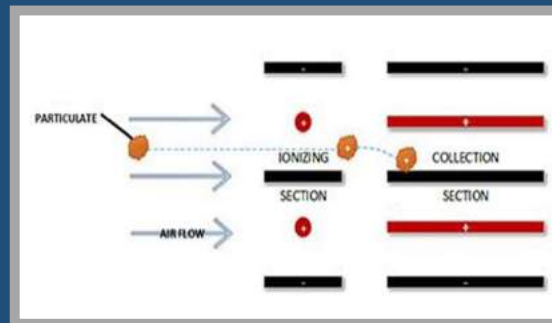
1

A 13.5KV wire in the device creates plasma that propels charged particles through device, causing air to flow up to 150 liters per minute



2

The charged particles become attached to the negative electrodes on the cartridge













3

The cartridge with the captured particles is sent to the lab for analysis



THE LEADER IN INDOOR AIR DIAGNOSTICS™

- Highly sensitive **patented*** technology for testing and measuring biological agents in the air
- Scientific leadership** with extensive experience in the human diagnostics and reference laboratory operations
- Researched** in collaboration with leading universities
- Peer-reviewed and published** in leading scientific journals
- Extensive portfolio of patents supports **future innovation**
- Quality:** AirAnswers has 5 critical ISO certifications**

Researched in collaboration with			Peer Reviewed Literature and Memberships						
									

*US-9360402, 8038944, 9216421, 9481904, 9618431, and 1083591 as well as other patents issued and pending in the US and foreign jurisdictions.

**Manufacturing excellence (ISO 13485:2016), overall company quality processes and controls (ISO 9001:2015), personnel occupational health and safety management system (ISO 45001:2018), best practices for protecting our environment (ISO 14001:2015) and Laboratory management and technical AIHA ISO/IEC 17025 accreditation



AirAnswers Lab Testing

AirAnswers[®] LABORATORY TESTING

- ✦ AirAnswers[®] incorporates testing methods, commonly used in hospitals, to test for bioaerosols in collected AirAnswers[®] samples.
- ✦ AirAnswers[®] laboratory can run multiple tests on 1 sample.
For example, we can test your collected sample for mold genera, powdery mildew, mycotoxins, and allergens*

*allergen tests can be performed on 5-day run samples only
- ✦ AirAnswers[®] laboratory holds customer samples for 60-days, so you can order other tests on your sample within the 60-day period. For example, you can order beta-glucan testing to start. If you get a positive beta-glucan result, you can add mold genera to discover the mold type that is growing in your tested environment.
- ✦ AirAnswers[®] laboratory builds the menu of lab tests based on customer needs
- ✦ AirAnswers[®] laboratory is an AIHA ISO/IEC 17025:2017 accredited lab



AirAnswers RUN TIME & TURNAROUND TIME

Testing Type	Device Run	Lab Testing Turnaround Time
Beta Glucan Test	1 Day or 5 Days	1 Day
Allergen Panel	5 Days	5 Days
Allergens and Beta Glucan Mold Panel	5 Days	5 Days
Mycotoxin Assessment	1 Day or 5 Days	5 Days
Mold Genera Assessment	1 Day or 5 Days	1 Day
ERMI+3 Mold Testing	3 Day or 6 Days	1 Day
Opportunistic Fungal Pathogen Panel	1 Day or 5 Days	2 Days
COVID-19	3 Days	2 Days

*Does not include holidays or weekends

THE AirAnswers® DATA REPORT

AirAnswers® Indoor Air Quality - Testing Results

Customer Name:	Cartridge Barcode #	Report Issue Date	Location Name	Result Approved By
Bob Wilson	CRT1G2L1-0424	06/21/2022	Trim Room	Caitlin Mohnen
		Lab Testing Date		
		06/17/2022		
Beta Glucan Mold		Level	Result	pg/m3
Beta-Glucan (BG)			Normal/Minor	Not Detected
Mold Genera (DNA)		Level	Result	SE/m3
Aspergillus			Normal/Minor	Not Detected
Penicillium			Normal/Minor	Not Detected
Stachybotrys			Normal/Minor	Not Detected
Fusarium			Normal/Minor	Not Detected
Trichoderma			Normal/Minor	Not Detected
Memnoniella			Normal/Minor	Not Detected
Chaetomium			Normal/Minor	Not Detected
Mycotoxin (RNA)		Level	Result	pg/m3
Trichothecene		Not Applicable	---	---
Ochratoxin		Not Applicable	---	---
Aflatoxin		Not Applicable	---	---
Fumonisin		Not Applicable	---	---

Allergens (Protein)	Level	Result	pg/m3
Dust Mite (Dust Mite)		---	---
Can f 1 (Dog Allergen)		---	---
Fel d 1 (Cat Allergen)		---	---

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Mus m 1 (Mouse Allergen)		---	---
Bla g 2 (Roach Allergen)		---	---
Bet v 1 (Tree Pollen)		---	---
Phi p 5 (Grass Pollen)		---	---
Amb a 1 (Weed Pollen)		---	---

Contaminant Concentration Key
 Normal/Minor Low Moderate Severe

SE/m3 (spore equivalent per cubic meter) - "spore equivalent" refers to an estimate of the amount of genetic material found in 1 mold spore

(Contaminant Keys located on report pages 2 & 3)

Pg/m3 (picograms per cubic meter)

Inspirotec Testing Recommendations:



Using AirAnswers In Your Practice

DEPLOYING AirAnswers[®] IN YOUR PATIENTS HOME



Your office sends a patient home with an AirAnswers loaded with a test cartridge OR you can have an Indoor Environmental Professional deploy the AirAnswers device.

The patient runs the AirAnswers[®] in their home for the required number of days depending on the selected test

The patient returns the device and cartridge back to your office OR the IEP returns to the patients home to collect the device and cartridge

Your office OR the IEP sends the test cartridge to our laboratory for analysis and visits our website to register the cartridge and pay for the testing.

Your office receives the data and uses the information to advise the patient on the airborne profile of their home and you can work together to amend their treatment plan based on their unique home environment

SUPPORT FOR YOUR PRACTICE AND YOUR PATIENTS

- AirAnswers will provide you with the needed support materials like the brochure seen here to help your patients understand the benefits of using AirAnswers as a part of your treatment plan.
- We will also have a Frequently Asked Questions document you can share with your patients and staff to help answer any of their questions about the testing process and the technology.
- Additionally, we will have partnered Indoor Environmental Professionals who can help address any remediation needs for any major air quality concerns uncovered in your patients home.

IS YOUR HOME MAKING YOU SICK?
MONITOR YOUR AIR. PROTECT YOUR FAMILY, YOUR HOME, AND YOUR PEACE OF MIND.

AirAnswers® tests your home's air for the hidden molds, fungi, mycotoxins and allergens that are making your family sick.

- UNPARALLELED FUNCTIONALITY**
 Detects the ultra-fine particles that can lead to illnesses like ORS, Chronic Fatigue Syndrome, & Sick Building Syndrome.
- COMPREHENSIVE TESTING**
 Full spectrum analysis of allergens, molds, and mycotoxins so you have all of the answers you're looking for about your home's air.
- BEST-IN-CLASS PERFORMANCE**
 Quiet and continuous air monitoring means you can test the air in your home without disrupting your normal daily activities.
- PROVIDES TECH SUPPORT**
 Our easy-to-read data report provides you with information on your air quality allowing your doctor to tailor your treatment plan to your unique environmental exposure.

RESEARCH PARTNERED BY: ILLINOIS INSTITUTE OF TECHNOLOGY, HARVARD UNIVERSITY, UNIVERSITY OF CHICAGO, Argonne National Laboratory

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STOP GUESSING ABOUT YOUR HOME'S AIR AND GET THE ANSWERS YOU'RE LOOKING FOR.

How airborne mold and allergen particles are invisible to the naked eye and might be making you and your family sick. Recent exposure to molds, mycotoxins, and allergens can lead to numerous health conditions such as respiratory illnesses, allergies, asthma, sensitivity problems, brain fog and other concerns.


Only AirAnswers® detects the airborne allergens, molds and viruses that are capable of entering deeply into the lungs and triggering severe symptoms.

- Monitor testing for a full spectrum analysis of allergens with a comprehensive report.
- Provides in-person data that can be shared with your physician for a full picture of your environmental exposure.
- Regular testing shows you to see how seasonal changes in weather can also affect your health so you can address new concerns with your physician as they come up.
- Our comprehensive data report makes it easy to identify where the mold spores are to make targeted remediation efforts to reduce your environmental exposure at home.

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THANK YOU

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