

MOLD SCAN

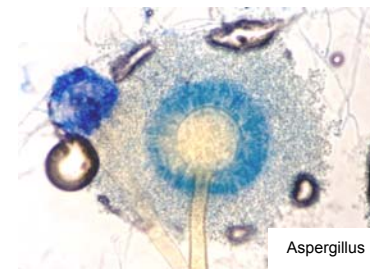
High sensitivity detection of Microbial Volatile Organic Compounds (MVOC's) to levels as low as 300 parts-per-trillion.

Description:

Mold Scan™ is a screening tool for the detection of microbial metabolites known as microbial volatile organic compounds or MVOC's. MVOC's themselves can cause irritation and allergic reactions, but, more importantly, MVOC's are biomarkers for molds that produce toxins that may adversely affect health. These toxins can cause severe allergic reactions and respiratory irritation and they may exacerbate conditions in individuals with asthma or other respiratory ailments. Metabolic mold activity can occur in or on air ducts, wood, cellulose, fiber, insulation, wallboard, evaporator coolers, building materials, concrete/masonry, ceiling tiles, absorbent materials, and in many other places.



Cladosporium



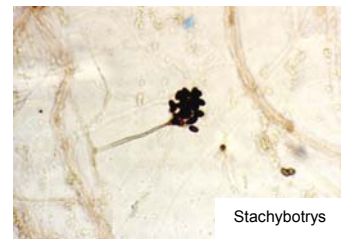
Aspergillus

Using PATI's TDT Air Scan® Technology, air is sampled through a multi-matrix sorption tube which is then sent to Prism Analytical Technologies, Inc., for the quantitative identification of the following 21 specific MVOC's:

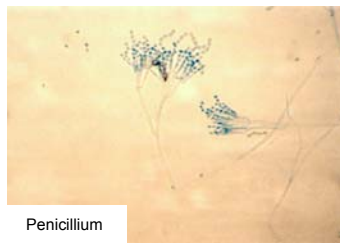
| | | |
|--------------------|------------------------------|--------------------|
| Furan | 2-Methylfuran | 3-Methylfuran |
| 2-Butanone | 2-Methyl-1-propanol | 2-Methy-2-butanol |
| 3-Methyl-2-butanol | 2-Pentanol | 3-Methyl-1-butanol |
| 2-Methyl-1-butanol | 1-Pentanol | 2-Hexanone |
| 2-Heptanone | 2-Pentylfuran | 1-Octen-3-ol |
| 3-Octanone | 3-Octanol | 2-Ethyl-1-hexanol |
| 1-Octanol | 2-Ispropyl-3-methoxypyrazine | Geosmin |

Using Mold Scan™ to detect microbial activity has the following advantages:

- Establish baseline biomarkers for microbial activity
- Establish science-based reports for MVOC's in sick buildings
- Detect molds without visual contact or microbial sampling
- High sensitivity – Detect MVOC's to less than 300 parts-per-trillion
- Eliminate the need for structural destruction to search for microbial growth
- Cut the analysis turn around times in half relative to culturing of mold spores (24-hour turnaround is also available)



Stachybotrys



Penicillium

Applications:

Office buildings / Work areas
Public and large buildings (new and old)
Schools
Homes

Sick buildings
Air ducts
Manufacturing sites
Clinical studies

For more information call or write:

prism analytical technologies, inc

- 1200 N. Fancher • Mt. Pleasant, MI 48858
- 989-772-5088 • FAX 989-772-5870
- E-mail prism@pati-air.com