

EMMA

(Environmental **M**old and **M**ycotoxin **A**ssessment)

KEEPING YOUR FAMILY FREE FROM TOXIC MOLD AND MYCOTOXINS



WITH ONE TEST... *you can detect
10 of the most toxigenic molds and 15 of the most poisonous mycotoxins.*

The question should not be, "Have I have been exposed to mold?"

**The question should be,
"HAVE I BEEN EXPOSED TO TOXIGENIC MOLD?"**

- It's not the mold you should be most worried about... it's the toxins they produce. These are called Mycotoxins.
- If you have toxic mold in your home, you are breathing Mycotoxins in every day.
- Mycotoxins are known to be hazardous.
- Some are proven to cause cancer in humans.
- Are you comfortable having your family in this environment?
- Don't you want to know what they are breathing in?



ALL HOMES AND BUILDINGS CONTAIN MOLD

The question that every home owner should ask before undertaking expensive remediation is, "What mold do I have?" Most molds are harmless in the normal quantities found in homes unless individuals happen to be allergic to them. There are, however, a small number of toxigenic molds that they should be concerned about. These toxigenic molds produce Mycotoxins that are known to be harmful to humans and can cause a variety of medical conditions, including cancer.



The **EMMA** test uses sensitive molecular detection technology to look for the presence of 10 of the most toxigenic molds. It determines their presence and determines their relative abundance. **EMMA** also tests directly for 15 of the most poisonous Mycotoxins using its patented Mycotoxin detection test.

The organisms, mycotoxins produced and potential health concerns are shown in the table below:

MOLD	MYCOTOXIN PRODUCED	POTENTIAL HEALTH ISSUES
<i>Aspergillus fumigatus</i>	Gliotoxin	Immunosuppressant.
<i>Aspergillus flavus</i>	Aflatoxin	Can cause liver cancer in humans
<i>Aspergillus niger</i>	Ochratoxin	Suspected carcinogen
<i>Aspergillus versicolor</i>	Sterigmatocystin	Carcinogenic
<i>Aspergillus ochraceus</i>	Ochratoxin	Suspected carcinogen
<i>Penicillium brevicompactum</i>	Mycophenolic acid	Immunosuppressant
<i>Stachybotrys chartarum</i>	Macrocytic Trichothecenes	Highly toxic to humans
<i>Chaetomium globosum</i>	Chaetoglobosins	Toxic to mammalian cells
<i>Mucor</i>	Potential Pathogen	Can cause Mucormycosis
<i>Rhizopus</i>	Potential Pathogen	Can cause Mucormycosis

The presence of any of these organisms or Mycotoxins in the home should be cause for concern and a discussion with a certified indoor air quality specialist.



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