

# EMMA

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

## KEEPING YOUR FAMILY FREE FROM TOXIC MOLD AND MYCOTOXINS



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

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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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