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Mycotoxin Testing Capabilities

Currently, we can test for the following mycotoxins using monoclonal antibody/fluorescence (VICAM) methods and HPLC methods. The matrices that can be tested include building materials (sized accordingly), bioaerosol air samples and wipes or swabs.

VICAM Methods

- Aflatoxin (B and G series)
- Ochratoxin
- Deoxynivalenol (may require some development work)
- T2
- Fumonisin
- Zearalenone

HPLC/UV Methods

- Ochratoxin A
- Deoxynivalenol
- Citrinin
- Emodin
- Gliotoxin
- Sterigmatocystin
- Patulin
- Roridin A
- Griseofulvin
- Zearalenone

These tests are qualitative for each mycotoxin listed. Semi-quantitative results can be obtained with air samples and homogenous bulk samples.

We can offer a *Stachybotrys* mycotoxin screening analysis that includes Roridin A, Citrinin, and Sterigmatocystin by HPLC/UV. Satratoxin analysis is currently under development and not available.

Future capabilities will include an ELISA test for total *Stachybotrys* mycotoxins. This test will quantitate all mycotoxins associated with *Stachybotrys chartarum*. The test will generate a single quantitation as a total mycotoxin content for the sample submitted.