

ENVIROLOGIX Inc. - Environmental Mycotoxins- Molds

STACHYBOTRYS & ASPERGILLUS NIGER – QuickTox™ at Home Test Kit (ELISA Kit)

● Intended use

This Test Is Intended For Use By Homeowners To Rapidly Identify Areas Of Suspected Mold Contamination For The Presence Of Stachybotrys chartarum or Aspergillus niger Spores. Until Now, No Tests Have Been Available To Identify These Potentially Toxic Mold Spores On-Site, Without Laboratory Culturing And Microscopy or DNA Analysis.

● General

This test is designed to obtain, extract, and test obvious mold growth at the levels typically found on contaminated environmental samples, such as dry wall, ceiling tiles, and carpets. This rapid test is capable of detecting Stachybotrys chartarum and Aspergillus niger at levels as low as 100,000 spores per milliliter (spores/mL) of extraction solution for Stachybotrys chartarum and 5,000,000 spores/mL for Aspergillus niger.

The mold can be sampled from a variety of materials that do not interfere with the test including dust, dirt, soot, paper covered gypsum dry wall, ceiling tiles, carpet, cardboard, joint compound (wet and dry), spackling paste (wet and dry), wood, paint chips, linoleum, transparent tape, soot, and foam pipe insulation.

All molds have the potential to cause health problems. Molds produce allergens (substances that cause allergic reactions), irritants, and in some cases, potentially toxic substances (mycotoxins).

The more serious health problems have been associated with the toxic greenish-black mold, Stachybotrys atra (chartarum). Aspergillus niger is one of the species of Aspergillus commonly found in the environment that can cause allergic reactions and pulmonary infection. It is usually a white or yellow mold covered with a dense layer of black spores.

Inhaling or touching mold or mold spores may cause allergic reactions and asthma attacks in sensitive individuals. Mold exposure can irritate the eyes, skin, nose, throat and lungs of both mold-allergic and non-allergic people. These effects depend on:

- An individual's sensitivity or allergies;
- The type, duration, and amount of mold exposure; and
- The general health and age of the affected individual.

Certain molds, including Stachybotrys chartarum and Aspergillus niger, may produce potent toxins (mycotoxins) that have been reported to yield human health effects ranging from skin rash to immune system suppression, acute or chronic liver damage, acute or chronic central nervous system damage, endocrine effects, and cancer.

Materials Provided:
2 x Sample Cups.
2 x Swabs.
1 x Bottle of Extraction Solution.
2 x Test Strips.

Kit Specifications:

Format:

- 2 Strips.

Time Requirement:

- Results in five minutes or less.

Detection Limit:

- Capable of detecting less than 1×10^5 *Stachybotrys* sp. Spores/mL.

- Capable of detecting less than 5×10^6 *Aspergillus niger* spores/mL.

Measurement:

- Visual.

Product ID #:

- ES103HOT.