

**STACHYBOTRYS & ASPERGILLUS NIGER - QuickTox™  
(ELISA Kit)**

**● Intended use**

The Envirologix QuickTox Kit For *Stachybotrys Sp.* And *Aspergillus Niger* Is A Rapid Screening Assay Capable Of Identifying *Stachybotrys Sp.* And *Aspergillus Niger* Mold Contamination. It Is Designed To Extract And Qualitatively Detect The Presence Of *Stachybotrys Sp.* And *Aspergillus Niger* At The Levels Typically Found In Contaminated Environmental Samples Such As Dry Wall, Ceiling Tiles, Carpets, And Dust. The QuickTox Strips Are Capable Of Detecting As Few As  $1 \times 10^5$  *Stachybotrys Sp.* Spores/MI And As Few As  $3 \times 10^6$  *Aspergillus Niger* Spores/MI.

**● General**

Spores from suspect mold samples are collected with a swab and transferred into a vial containing extraction buffer. The extraction buffer releases the spores from the swab and allows the sample to flow up the Quicktox strip. Each Quicktox strip has an absorbent pad at each end. The protective tape with the arrow indicates which end of the strip to insert into the extraction tube. The sample travels up the membrane strip and is absorbed into the larger pad at the top of the strip. The portion of the strip between the protective tape and the absorbent pad at the top of the strip is used to view the reactions as described under “interpreting the results”. Samples containing *stachybotrys sp.* and/or *aspergillus niger* are captured and detected on a test line. Above the test line is a control line, which indicates the test is functioning properly. If the sample is negative, only a single pink control line will be visible. If the sample is positive, two lines will be visible: the test line and the control line. Samples positive for *stachybotrys sp.* will have a pink test line. Samples positive for *aspergillus niger* will have a black test line. Samples positive for both *stachybotrys sp.* and *aspergillus niger* will have a brownish-pink test line. If no lines appear or only the test line appears, the test is invalid and must be repeated.

<b>Materials Provided:</b>	<b>Materials Required But Not Provided:</b>
<ul style="list-style-type: none"> <li>- 50 x QuickTox Strips packed in a moisture-resistant canister.</li> <li>- 50 x Extraction Tubes.</li> <li>- 50 x Sample Swabs.</li> <li>- 10 x Sample Pestles.</li> <li>- 2 x Extraction Buffer.</li> </ul>	<ul style="list-style-type: none"> <li>- Pipette Capable of delivering 500 µL (optional).</li> <li>- Marking Pen (indelible).</li> <li>- Timer or watch (5 minutes).</li> <li>- Micro-Tube Rack (optional).</li> <li>- 1:10 Dilution Of Household Bleach to decontaminate samples and supplies.</li> <li>- Additional Pestles for sample preparation (optional).</li> </ul>

**Kit Specifications:**

Format:	- 50 Strips.
Time Requirement:	- Results in five minutes or less.
Detection Limit:	- Capable of detecting less than $1 \times 10^5$ <i>Stachybotrys sp.</i> Spores/mL. - Capable of detecting less that $3 \times 10^6$ <i>Aspergillus niger</i> spores/mL.
Measurement:	- Visual.
Product ID #:	- ES103.