

# PuriTox Charcoal-Alumina Column

Rapid chromatography clean-up for the detection of Type A and B Trichothecene by use of HPLC, GC, and other detection methods.

## Specification and Instruction Guide

### PURITOX CHARCOAL-ALUMINA PURIFICATION COLUMNS



#### SPECIFICATIONS

<b>Product Number:</b>	TC-C210
<b>Package:</b>	25 units
<b>Makeup:</b>	mixture of aluminum oxide and activated charcoal contained in plastic syringe

The proprietary packing material used in the PuriTox column is contained in a polypropylene reservoir barrel. The TC-C210 is a gravity flow column which may be used with a vacuum manifold system. The large reservoir barrel allows for increased sample extract to be placed on each column. The PuriTox column is designed to reduce the adsorption of mycotoxin compounds in the cleanup column. The TC-C210 is great for use of clean-up of the Type A and B trichothecenes or in conjunction with other PuriTox columns to enhance the clean-up of complex matrices.

#### Instructions for Use

1. For each sample use a new column.
2. Connect PuriTox column to vacuum manifold apparatus.
3. This PuriTox column must be pre-conditioned before use. Rinse the column with 5  $\mu$ l of Acetonitrile/Water 84/16 according to the method sop.
4. Add the sample extract to the top of the PuriTox column. Let solution drain through the column collecting the purified extract into a clean test tube.
5. Rinse column with appropriate solution according to your method instructions, let wash solution drain through the column and collect with the purified extract.
6. Remove column and dispose of in proper receptacle.
7. Evaporate the purified extract and rinse solution to dryness per method instructions or SOP.
8. Reconstitute the dried sample per method instructions or SOP and perform the chromatography analysis.

See reverse for visual instructions.

#### Customer Support

Customer support for any PuriTox Column is available from Trilogy Analytical Laboratory. Mycotoxin methods are available upon request.

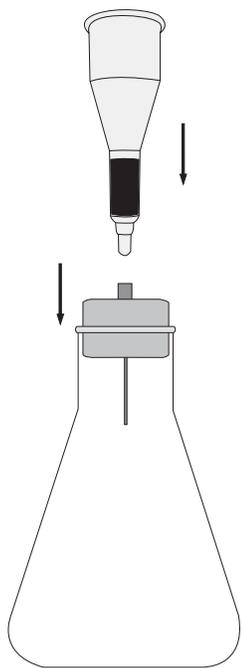
Video demonstrations for all PuriTox Columns, MSDS, and more information are all available on [www.trilogylab.com](http://www.trilogylab.com).



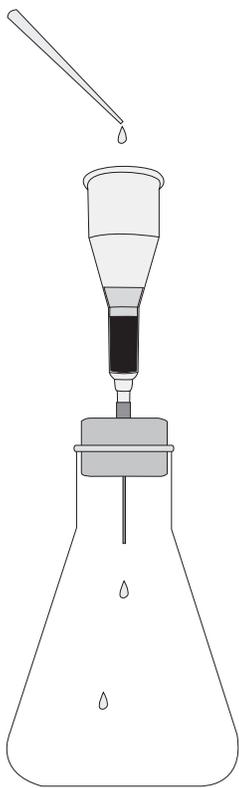
**Trilogy Analytical Laboratory**  
870 Vossbrink Dr.  
Washington, MO 63090

[www.trilogylab.com](http://www.trilogylab.com)  
636.239.1521

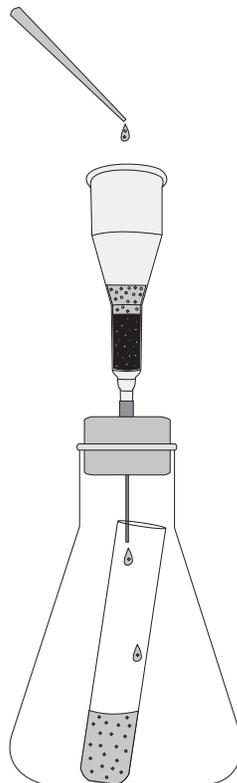
Connect column to vacuum manifold apparatus.  
(vacuum styles will vary).



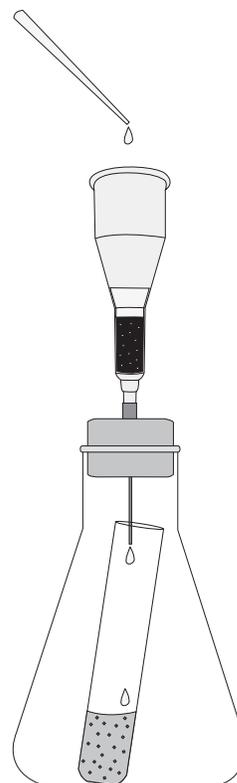
Pre-condition column by rinsing with 5µl of Acetonitrile/Water 84/16 according to the method SOP.



Load sample to the top of column. Allow solution to drain through the column. Purified sample is collected into a clean test tube.



Rinse column with appropriate solution according to method instructions. Allow wash solution to drain through column and collect with the purified extract.



- ◆ toxins
- impurities