

TC-C210 Charcoal-Alumina Column

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

General Information:

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:

The TC-C210 PuriTox column is used during the purification process for the detection of Type A and B trichothecenes. Make sure all method instructions are used during testing. The following instructions are to be used during the purification phase only.

Materials Provided:

- 25 TC-C210 PuriTox columns
- Instruction Manual

Equipment Needed (not provided):

- Test Tube
- Micropipette
- Vacuum Manifold

Procedure:

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 μ 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 side for instruction diagram.

Customer Support:

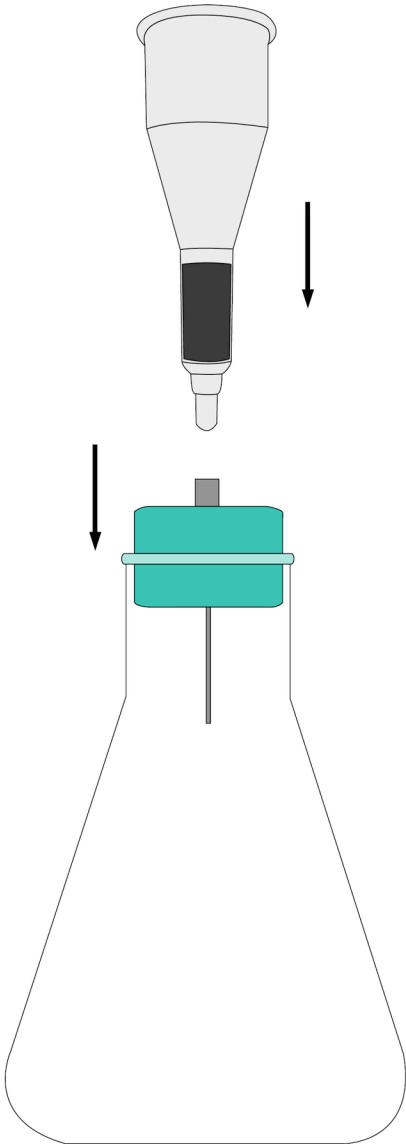
Customer support for any PuriTox Column is available from Trilogy Analytical Laboratory. Mycotoxin methods are available upon request.

Trilogy Analytical Laboratory
870 Vossbrink Dr.
Washington, MO 63090

Phone: (636) 239-1521
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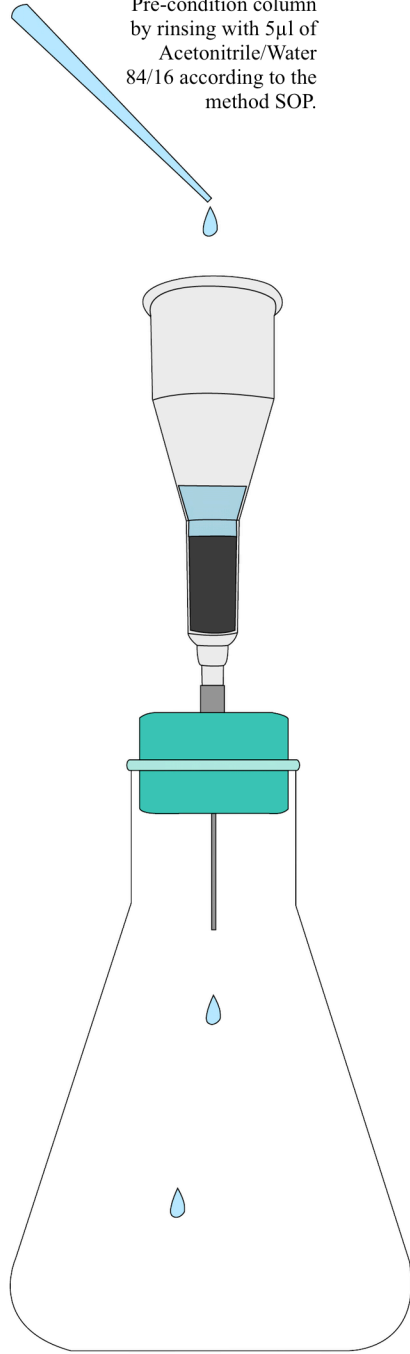


Connect column to vacuum manifold apparatus*.

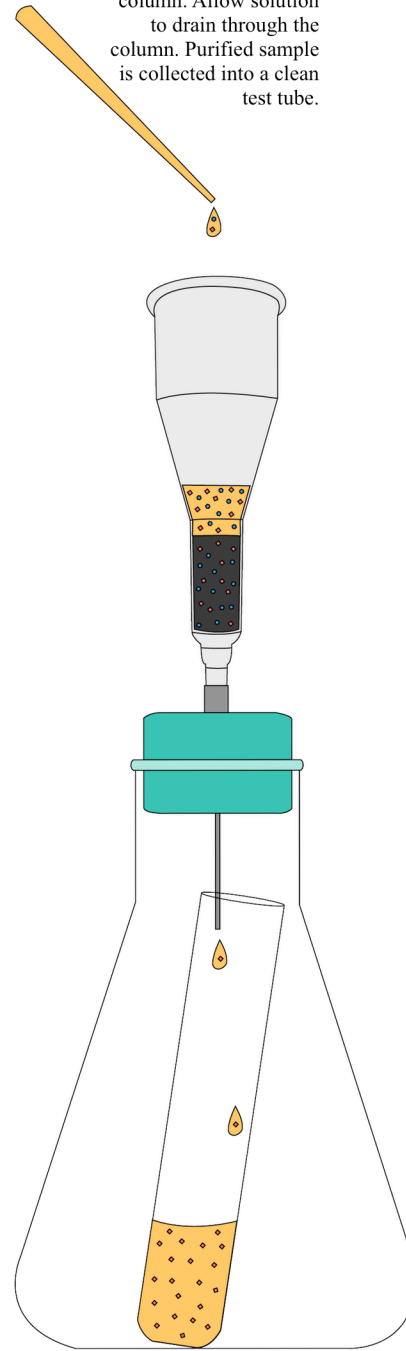


*vacuum manifold styles will vary

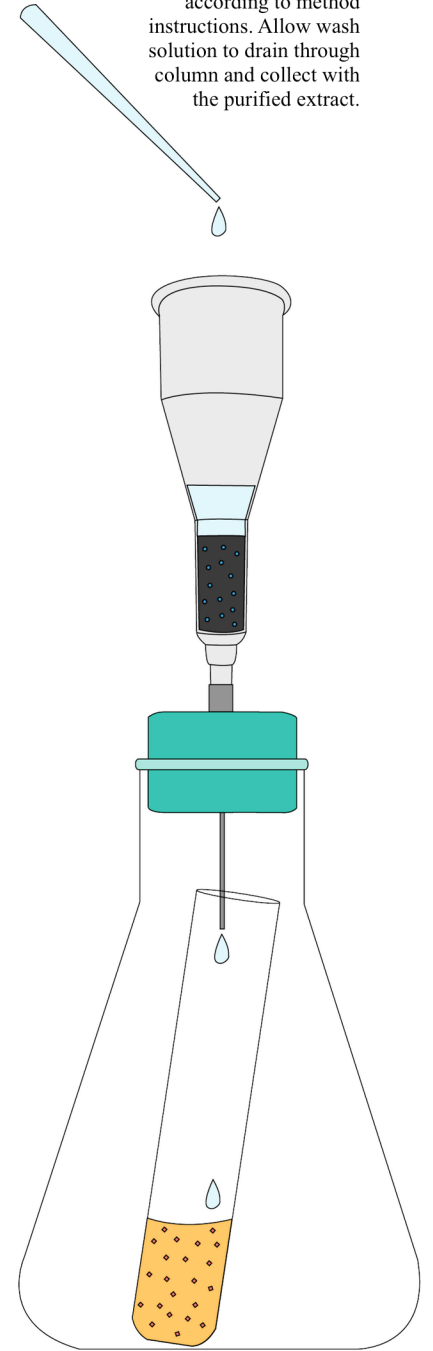
Pre-condition column by rinsing with 5µl of Acetonitrile/Water 84/16 according to the method SOP.



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.



● - impurities
◆ - toxins