TC-M160 Multipurification Column

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

General Information:

The proprietary packing material used in the PuriTox column is contained in a polypropylene syringe barrel. A polypropylene plunger is included and is used to push the extract through the packing material. The packing material in the columns retains large molecules, and more importantly contains several active sites to adsorb various interfering compounds such as fats, pigments, carbohydrates and proteins.

PuriTox columns are unlike affinity columns and other solid phase extraction (SPE) columns that have been used extensively for extract purification. Both the affinity column and other SPE columns require 3 steps for extract purification: (1) retain the compound on the packing material of the column, (2) wash away unwanted compounds, and (3) elute compounds of interest. A PuriTox column cleanup requires only a one step procedure.

Instructions for Use:

The TC-M160 PuriTox column is used during the purification process for Aflatoxin, Type A and B Trichothecenes and Zearalenone. Make sure all method instructions are used during testing. The following instructions are to be used during the purification phase only.

Materials Provided:

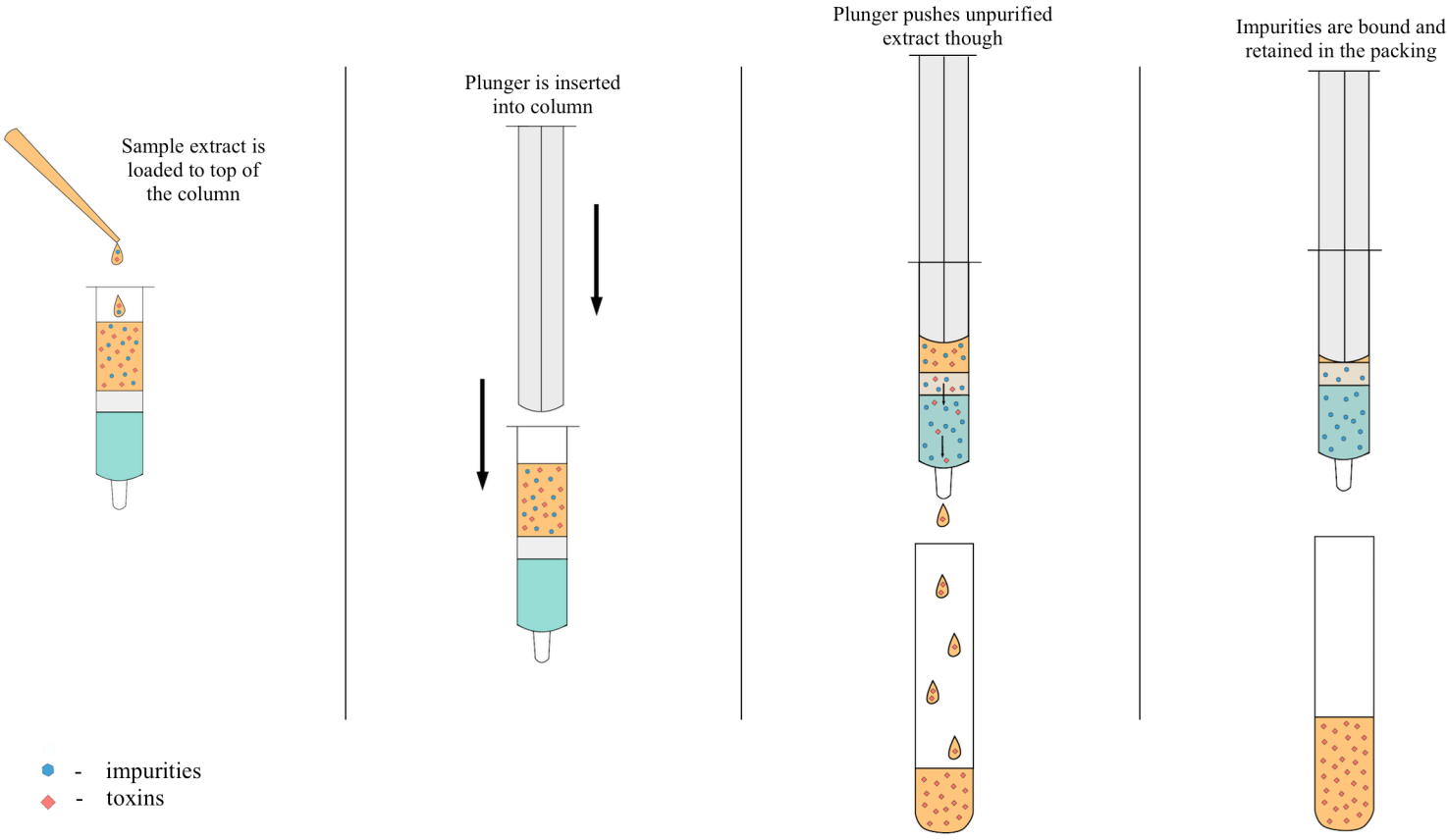
- 25 TC-M160 PuriTox columns with plungers
- Instruction manual

Additional Equipment Needed (not provided):

- Test Tube
- Micropipette
- Test Tube Rack

Procedure:

1. For each sample use a new column.
2. Remove plunger from column to be used.
3. Place column inside test tube for collection and place test tube in test tube rack.
4. Pipet appropriate sample extract volume into top of PuriTox column. This volume will be determined by the method instructions.
5. Use plunger to quickly push sample through the column purification material into the test tube.
6. Remove column and dispose of in proper receptacle.
7. Evaporate the purified extract and wash solution to dryness per method instructions.
8. Reconstitute the dried sample per method instructions and perform the chromatography analysis.



TRILOGY
Analytical Laboratory

Customer support for any PuriTox column is available from Trilogy Analytical Laboratory. Mycotoxin methods are available upon request.
Phone: (636) 239-1521