

Speedy Prep[®]-Myco 2 Clean-up Column for Aflatoxin M1

Order code: YRCC3002C

Introduction

This product is used for the pre-processing of quantitative detection of aflatoxin M1 in dairy products. It is composed of multiple adsorption materials which can quickly and selectively adsorb impurities such as protein and lipids in the sample without adsorbing the targets. No need for activation, adsorption, elution, and other steps, it can complete purification in 30 sec.

Application

Liquid dairy products (cow raw milk, full cream milk, yogurt, etc.) and solid dairy products (full cream milk powder, goat milk powder, infant formula milk powder, pregnant mother milk powder, etc.)

Performance Information

Recovery: $\geq 80\%$

Variability: $RSD \leq 10\%$

Storage and Shelf Life

Storage: Store at 18-25°C. Do not freeze. Keep away from direct sunlight, moisture and heat.

Shelf Life: 24 months.

Components (25 pcs/Kit)

- 25 pcs Clean-up Columns
- 25 pcs Centrifuge tubes (15 mL)
- 1 instruction manual

【Note: Bring your own acetonitrile】

Sample Preparation

Method 1: Suitable for liquid dairy products

- Weigh 4 g of the sample, add 10 mL of acetonitrile and mix well.
- Vortex at high speed for 3 min to mix thoroughly.
- Centrifuge at 4000 rpm for 2 min to obtain the supernatant. The supernatant is the sample extract.

Method 2: Suitable for solid dairy products

- Weigh 4 g of the sample, add 16 mL of pure water and mix well to obtain reconstituted solution.
- Weigh 4 g of reconstituted solution, add 10 mL of acetonitrile and mix well.

Shenzhen Bioeasy Biotechnology Co., Ltd.

ADD: Bioeasy Building 101 (whole building), 1st Liuxian Street, Xingdong Community, Xin'an Road, Bao'an, 518101 Shenzhen, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA

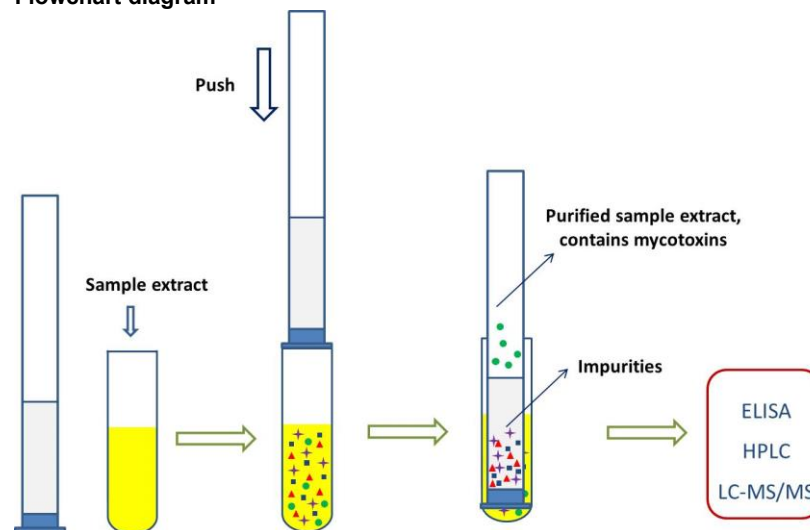
TEL: +86-4001111126 /+86-755-27948546 FAX: +86-755-27948417 Email: info@bioeasy.com Web: www.bioeasy.com

- Vortex at high speed for 3 min to mix thoroughly.
- Centrifuge at 4000 rpm for 2 min to obtain the supernatant. The supernatant is the sample extract.

Sample Purification

- Add 5 mL of the sample extract into a 15 mL centrifuge tube.
- Insert the rubber head of the clean-up column from the top of the centrifuge tube, and press the clean-up column down to the bottom of the centrifuge tube.
- Pour the purified sample extract at the upper part of the clean-up column into a sample bottle or sample tube.
- Dilute the purified sample extract with the initial mobile phase, or dry the purified sample extract with nitrogen and reconstitute with the initial mobile phase. Then pass through a 0.22 μm filter membrane, and analyze it with the instrument.

Flowchart diagram



Precautions

- It's strongly recommended to read the instruction manual carefully before the operation, familiarize yourself with each step, and use this product in strict accordance with the requirements of this manual. Do not use it for any purpose not mentioned in the instruction manual.
- Wear protective clothing, protective goggles, and gloves during operation, and avoid spilling liquid.
- During transportation, the clean-up column tube may be broken. If it happens, do not use them.
- This product is disposable. Please avoid reuse.