

## ELISA Calprotectin Extraction Buffer

### Product Information

**Catalogue No.:** E052

**Size:** 100mL/500mL

**Form:** liquid

**Application:** Extraction of calprotectin from fecal samples used primarily for ELISA testing.

**Storage:** -20°C for 12 months. For regular use, it can be stored at 2-8°C for a short time.

(At low temperature, the reagent crystallizes. Before use, it needs to be balanced at room temperature or 37°C for 30min to completely dissolve.)

### Background

This product can be used for the extraction of calprotectin from animal fecal samples. The main components are: 0.1M Tris, 0.015M NaCl, 1.0M Urea, 1.0mM CaCl<sub>2</sub>, 0.1M Citric acid, 5 mg/mL BSA, 0.25% Gentamycin sulfate, pH 8.0. Protein samples obtained with this extraction buffer were suitable for ELISA detection.

### Method of application

1. Try to collect dry stool, too thin stool will reduce the accuracy of the test. The weight collected should be greater than 100mg.
2. 5 mL extraction buffer was added to 100 mg sample and vortexed for 10 min.
3. The samples were centrifuged at 5000×g for 10 min, then filtered through a 0.2 μm filter, and the supernatant was removed for detection. Or frozen in aliquots at -20°C or -80°C for later use.

### Notes:

Calprotectin in stool remains stable for about 6 days, and it is recommended that unextracted stool samples be stored at 2-8 ° C for no more than 48 hours. It can be stored for a long time at -20°C. Samples were allowed to thaw slowly (overnight at 2-8 ° C) and equilibrate to room temperature before extraction.

### Wuhan Fine Biotech Co., Ltd.

1-2 Floor, BLD 22, Optics Valley Biopharmaceutical Accelerator, No.388 Gaoxin 2nd Road,  
East Lake High Tech Development Zone, Wuhan, 430074, Hubei, China

Tel: (0086)027-87384275

Fax: (0086)027-87800889

[www.fn-test.com](http://www.fn-test.com)