

UltraClean® Fecal DNA Isolation Kit

For 30 minute isolation of genomic DNA from fecal samples.

Description

The UltraClean® Fecal DNA Kit is a bead-beating method designed to isolate cellular, PCR quality genomic DNA from stool samples, dried fecal samples, droppings, forensic samples, and gut material. Simultaneous isolation of both host and microbial DNA is achieved. The kit also ensures removal of PCR inhibitors from the starting sample. Our Vortex Adapter is recommended for cell lysis. This fecal DNA kit has been used by numerous law enforcement agencies, zoologists and forensic scientists.

Features

- Rapidly purifies DNA from 250 mg to 1 gram in 30 minutes
- Yields PCR ready DNA up to 50 kb plus
- Simultaneous isolation of both host DNA and microbial DNA
- Proprietary Inhibitor Removal Solution eliminates humic acid PCR inhibitors
- Efficiently lyses microorganisms, spores and fungi



Storage Conditions

Store at room temperature for up to 2 years.

Specifications

| | |
|---------------------------|---------------------------|
| Format | Silica Spin Filter Tubes |
| Method | Bead Beating |
| Binding Capacity | Up to 20 µg per filter |
| Throughput | 1 - 24 samples |
| Time | 30 minutes |
| Starting Amount | From 250 mg to 1 gram |
| Equipment Required | Vortex and Vortex Adapter |

Kit Components

| Component | 15800-50 | 15800-250 |
|-----------------------|------------|------------|
| Solution MR1 | 1 x 16 ml | 1 x 80 ml |
| Solution MR2 | 1 x 850 µl | 1 x 4 ml |
| Solution MR3 | 1 x 28 ml | 1 x 130 ml |
| Solution MR4 | 1 x 15 ml | 1 x 65 ml |
| Solution MR5 | 1 x 32 ml | 3 x 33 ml |
| Bead Tubes | 50 | 250 |
| RNase free Water | 1 x 5 ml | 1 x 15 ml |
| Spin Filters In Tubes | 50 | 250 |
| Collection Tubes | 200 | 1000 |

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