

DNA Isolation from Fecal Samples



UltraClean™ Fecal DNA Isolation Kit

For 30 minute isolation of genomic DNA from fecal samples

DESCRIPTION

The UltraClean™ Fecal DNA Isolation 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.

Samples tested with UltraClean™ Fecal DNA Isolation Kit

Stool Samples	✓
Animal Droppings	✓
Dried Fecal Samples	✓
Forensic Samples	✓
Gut Material	✓

Specifications

Format	Silica Spin Filter Tubes
Method	Bead Beating
Binding Capacity	Up to 20 µg per filter
Throughout	1 - 24 samples
Time	30 minutes

RELATED PRODUCTS YOU MAY NEED

PowerSoil™ DNA Isolation Kit
PowerMax™ Soil DNA Isolation Kit
Vortex Adapter
Molecular Biology Grade Water
PCR Water (Certified DNA-free)

UltraClean™ Fecal DNA Isolation Kit	
Catalog No.	Quantity
12811-50	50 preps
12811-100	100 preps



Features and Benefits

- Rapidly purifies DNA from 250 mg to 1 g 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

REFERENCES:

1. Stevenson, B.S., S.A. Eichorst, J.T. Wertz, T.M. Schmidt, and J.A. Breznak (2004) *Applied and Environmental Microbiology* 70(8): 4748
2. McGarvey, J.A., W.G. Miller, S. Sanchez, and L. Stanker (2004) *Applied and Environmental Microbiology* 70(7): 4267

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