PowerMax®
Soil DNA Isolation Kit

The power to do more

More Soil - Process up to 10 g of soil in less than 90 minutes.

More Sample Types - Maximize DNA recovery from large-scale soil or environmental samples, low biomass samples, sediments, compost and manure.

More PCR Results - Inhibitor Removal Technology® removes 100% of humic substances and other PCR inhibitors resulting in DNA that is ready to use in PCR, qPCR and next generation sequencing.

MO BIO Laboratories, Inc.
Saving You Time For Life

Ordering Information

Catalog No.	Description	Quantity
12988-10	PowerMax® Soil DNA Isolation Kit	10 Preps
Related Products		
12888-50	PowerSoil® DNA Isolation Kit	50 Preps
12855-50	PowerLyzer™ PowerSoil® DNA Isolation Kit	50 Preps

www.mobio.com

PowerMax® Soil DNA Isolation Kit

The power to do more

The PowerMax® Soil DNA Isolation Kit provides researchers with a patented method for isolating DNA from up to 10 grams of soil. PCR inhibiting substances, including humic acids are completely removed. The kit is intended for use with all common soil types, particularly with samples that typically contain a high humic substance content, including compost, sediment and manure.

Samples are added to a bead beating tube with a kit-supplied buffer for rapid and thorough homogenization. Total genomic DNA is captured on a silica spin filter membrane, washed and eluted, DNA is ready to use in downstream applications including qPCR and next generation sequencing.

Specifications

Format	Silica Spin Filter Tubes
Method	Bead Beating
BInding Capacity	1mg
Time	90 minutes
Equipment Required	Microcentrifuge, benchtop centrifuge, vortex, vortex adaptor

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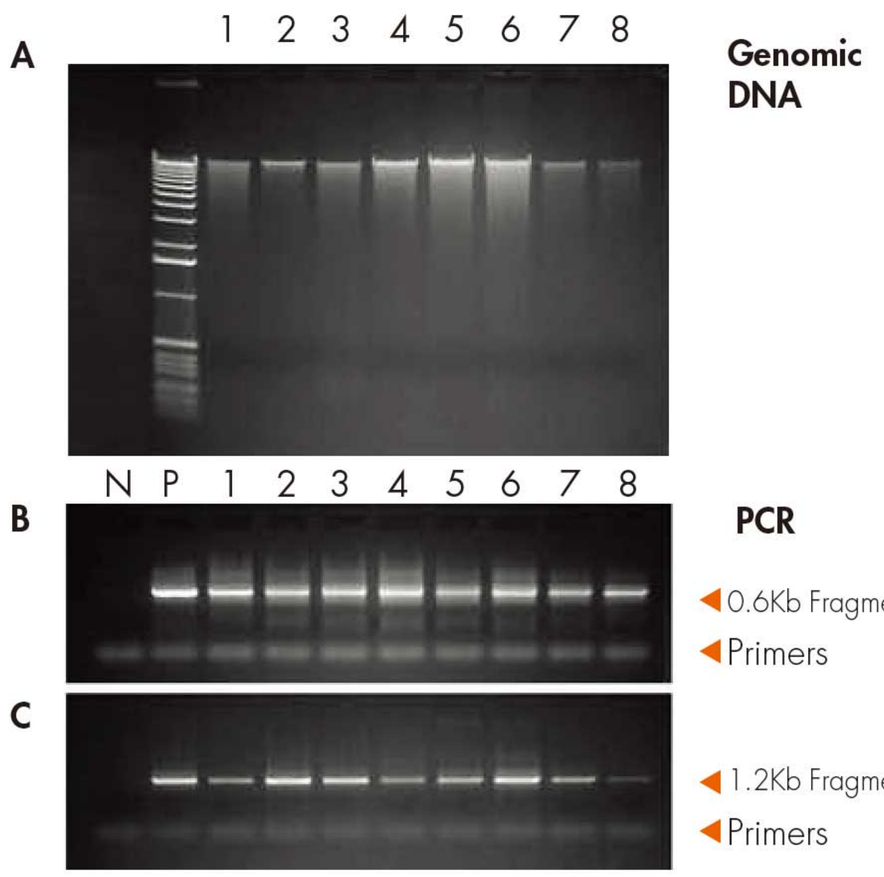
12855-50	PowerLyzer™ PowerSoil® DNA Isolation Kit	50 Preps
12855-100	PowerLyzer™ PowerSoil® DNA Isolation Kit	100 Preps

High Yield and Reliavble PCR Results



Total genomic DNA was isolated from 8 different soil samples using the PowerMax® Soil DNA Isolation Kit (Lanes 1-8). Genomic DNA was displayed (A) on a 1% TAE agarose gel (15 µl per lane). PCR analysis with primers representing the *Streptomyces* genus (B) and *Bacillus* genus (C) was performed using 1 µl of the undiluted DNA and analyzed on a 1% TAE agarose gel and stained with ethidium bromide. N = Negative control. P=Positive control. Similar results were obtained with primers to eubacterial DNA. Soil Types and amount are identified below.

Soil Types and Amounts

Sample Lane	Type	Amount Processed (grams)
1	Iowa corn field	10
2	So. California strawberry field	10
3	Cardiff estuary sediment	10
4	Carlsbad lagoon sediment	10
5	Home compost	5
6	San Diego City compost	5
7	Commercial potting mixture	2.5
8	Commercial peat moss	2.5

中国区订购联系信息

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