

SOIL DNA ISOLATION MAXI KIT

Product Features



- ✓ Rapid and convenient method to detect microorganisms in up to 10 g of soil samples
- ✓ Process all soil types
- ✓ Efficiently remove organic substances using the OSR Solution
- ✓ Remove all humic acid from DNA samples using the Maxi Humic Acid Removal Columns
- ✓ Fast and easy processing using a rapid spin-column format
- ✓ Isolate high quality total DNA from a variety of microorganisms including bacteria, fungi and algae

High Quality Total DNA from a Variety of Microorganisms

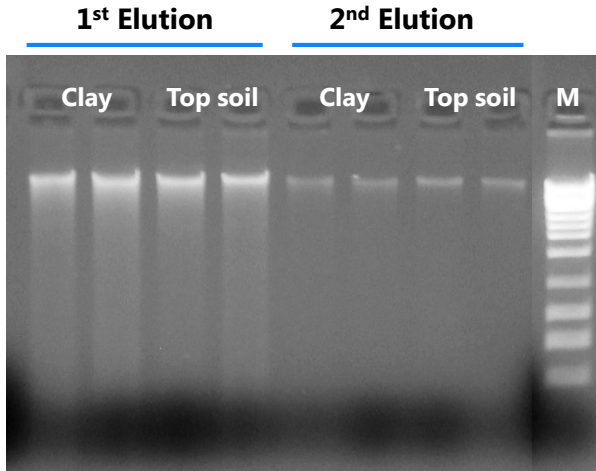


Figure 1. Resolution of DNA isolated from 10 g of two different soil types; regular soil (clay) and high humic acid soil (top soil) using Norgens Soil DNA Isolation Maxi Kit

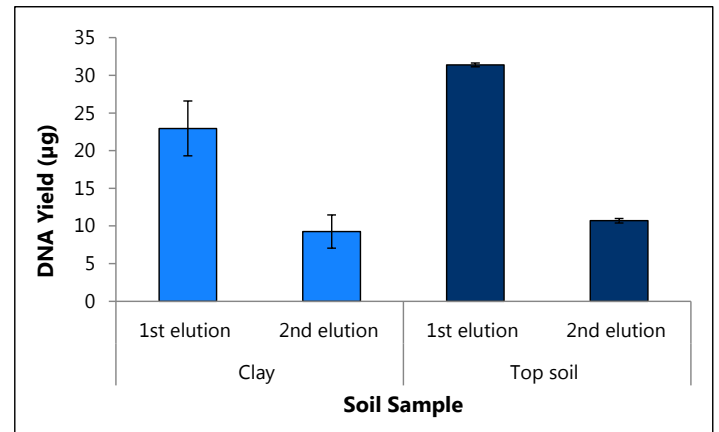


Figure 2. Difference in DNA yield between two soil types (clay and top soil) and elutions (1st and 2nd elution).

Description	Prep Size	Cat. Number
Soil DNA Isolation Maxi Kit	10 preps	62000

SOIL DNA ISOLATION MAXI KIT

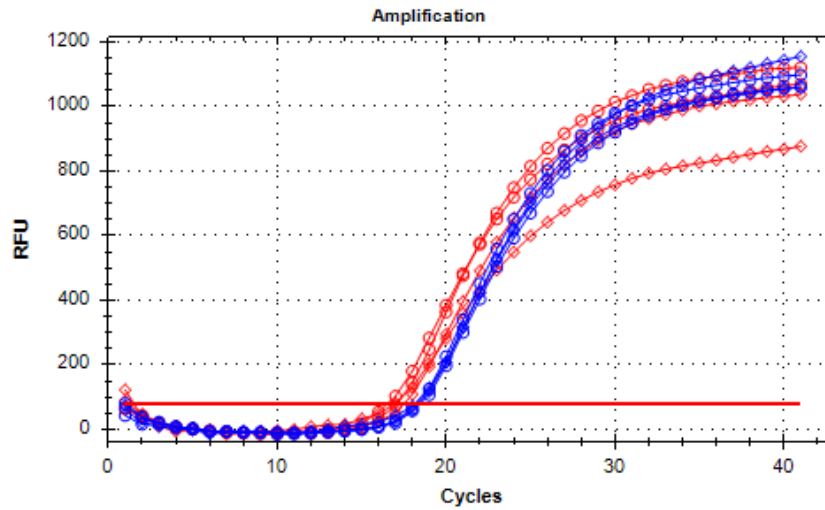


Figure 3. High soil DNA quality was confirmed by real-time PCR using 8 μ L of soil DNA (total PCR reaction volume was 20 μ L) isolated using Norgens Soil DNA Isolation Maxi Kit to detect 16s rDNA.

Soil DNA Isolation Maxi Kit Specifications

Kit Specifications	
Maximum Soil Input	10 g
Type of Soil Processed	All soil types
Maximum Column Binding Capacity	1.5 mg
Average Yield from 10 g of Soil*	1.25 mL
Time to Complete 10 Purifications	35 minutes (1 hour with OSR steps)

* Average yields will vary depending upon soil sample types