



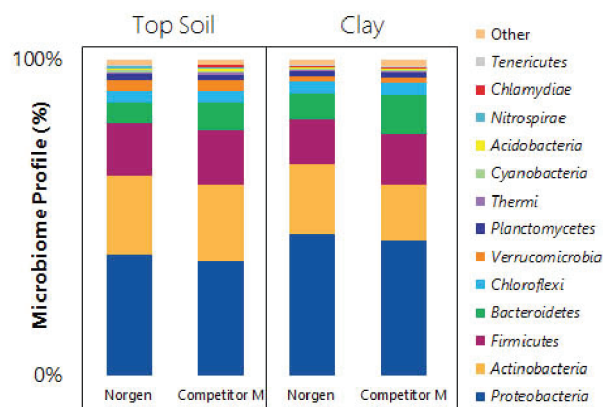
## Soil DNA Isolation Plus Kit

Efficient and superior method for detecting microorganisms in all soil samples



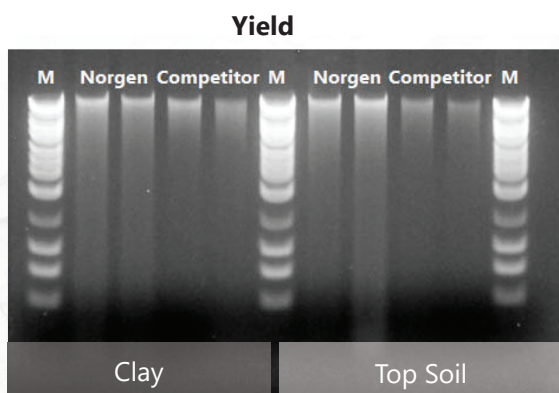
- ✓ Process any soil type including clay, topsoil, loam, sandy or any high humic acid content samples such as sediments, manure and compost
- ✓ Remove all humic acid and organic substances using the OSR (Organic Substrate Removal) Solution
- ✓ Remove all humic acid from DNA samples
- ✓ Fast and easy processing using a rapid spin-column format
- ✓ Isolate high quality total DNA from a variety of microorganisms found in soil, such as bacteria, fungi and algae



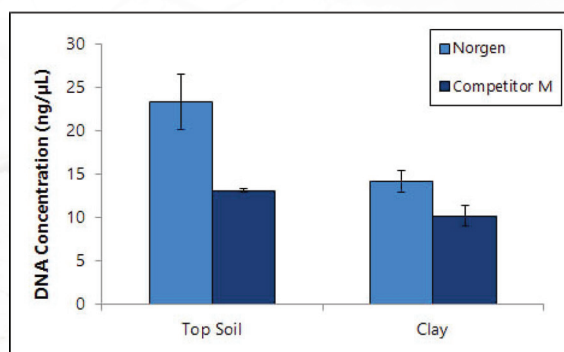


**Figure 1. Microbial profiles from soil samples (clay and top soil) isolated using Norgen's Soil DNA Isolation Plus Kit (Cat. 64000) and Competitor M's kit.** The relative abundance of phylum-level classifications indicates the efficiency of DNA isolation and the quality of DNA. 16S rRNA genes (v3-4 region) were amplified and the amplicons were sequenced on Illumina® MiSeq™ (MiSeq Reagent Kit v3) using Norgen's 16S Metagenomic workflow with Illumina 16S Metagenomics Pipeline (v1.0.1).

## Comparison of DNA from Top Soil and Clay Samples



**Figure 2. Comparison of DNA Yield from Top Soil and Clay Samples.** Norgen's Soil DNA Isolation Plus Kit (Cat. 64000) and Competitor M's kit were used to isolate DNA from 250 mg of top soil and clay samples. Following isolation, 10 µL from each 100 µL elution was loaded on 1% TAE agarose gel. Lane M: Norgen's HighRanger 1kb DNA Ladder.



**Figure 3. Comparison of DNA Concentration Isolated from Top Soil and Clay Samples.** Norgen's Soil DNA Isolation Plus Kit (Cat. 64000) and Competitor M's kit were used to isolate DNA from 250 mg top soil and clay samples. Norgen's kit showed higher DNA concentrations for both samples in comparison to the competitor kit.

## Ordering Information

Kit Name	Size	Cat. No
Soil DNA Isolation Plus Kit	50 preps	64000
Soil DNA Isolation Plus Kit	2 x 96-well plates	64060

## Related Products

Kit Name	Size	Cat. No
Plant RNA/DNA Purification Kit	50 preps	24400
Plant/Fungi Total RNA Purification Kit	50 preps	25800
Plant/Fungi DNA Isolation Kit	50 preps	26200

Visit our website: [www.norgenbiotek.com](http://www.norgenbiotek.com) to view our complete line of reagents and innovative sample preparation kits.



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