



XpressDNA Soil Kit



RAPID DNA ISOLATION METHOD FROM SOIL SAMPLE

1

Lysis

2

Binding

3

Washing

4

Elution



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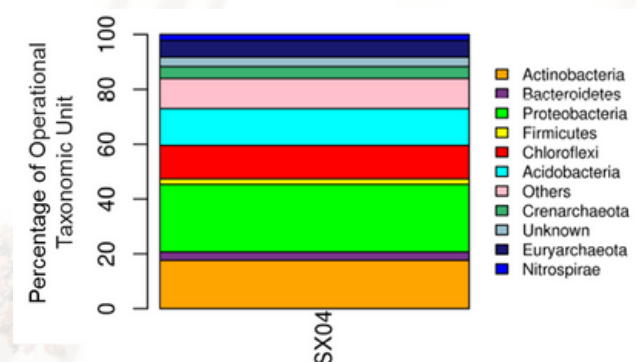
Product Description



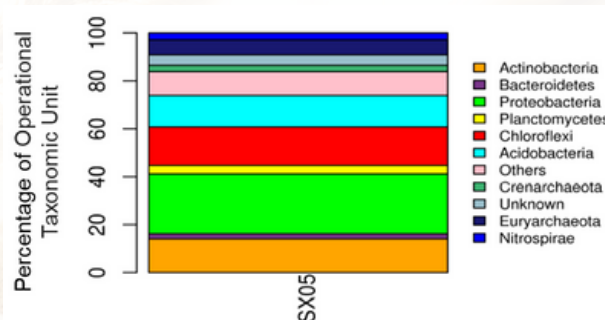
The XpressDNA soil kit enables rapid purification of high quality microbial DNA from a wide variety of soil samples including extreme environmental samples like deep sea soil. We have developed a patented magnetic nanoparticles-based technology for DNA/RNA extraction that is quick and robust and ready for downstream PCR, sequencing, or other applications. The new method effectively eliminates humic acid leaving high quality genomic DNA for downstream applications. The highly efficient inhibitor removal technology makes this the prime kit for metagenomics research projects.

Highlights

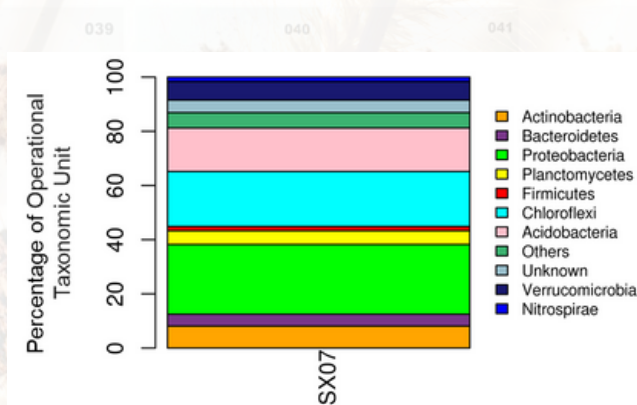
- Efficient lysis of all microorganisms (including gram positive bacteria, algae, fungi, actinomycetes and other microorganisms) by a combination of chemical and mechanical disruption without bead beating step.
- Higher yield and purity.
- Efficient removal of PCR inhibitors by precipitation.
- Recovery of high-purity, inhibitor free DNA compatible with common downstream applications such as qPCR and next-generation sequencing.
- More OTUs and higher Alpha diversity in metagenomic analysis.



Forest Soil



Paddy Soil



Marshy Soil

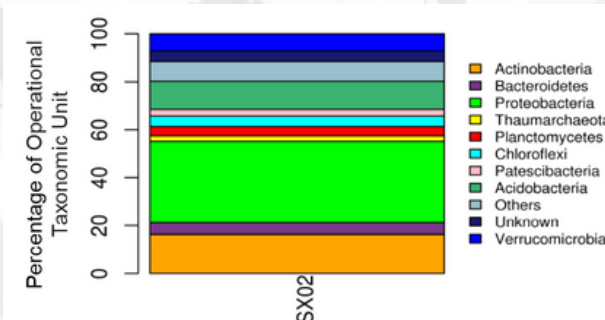
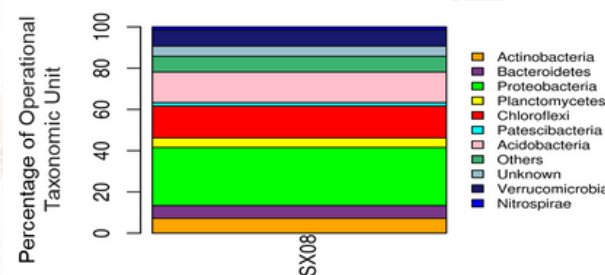


Fig 1: Taxonomic profiling of DNA isolated by XpressPure Soil Kit identified many microbial taxa with a predominant presence of Actinomycetes in these soil types