

# MagBeads FastDNA™

## NUCLEIC ACID PURIFICATION KITS

### FLEXIBLE. SCALABLE. EFFICIENT.

MP Biomedicals' MagBeads FastDNA and FastRNA kits use magnetic bead-based technology to purify DNA or RNA from diverse sample types. The kits are ideal for manual or automated extraction workflows, providing a quick and easy method for high-throughput nucleic acid purification. Achieve high yields of pure, inhibitor-free DNA or RNA, ready-to-use in sensitive molecular biology applications, such as PCR, qPCR, NGS, microarrays, etc.

### Environmental Samples

MagBeads FastDNA kits have been optimized to extract nucleic acids from a wide range of environmental sample types, including soil, feces, intestinal contents, plants, fungi, bacteria, protists, and viruses. They consistently demonstrate high yields of purified DNA across various sources as compared to competitor DNA kits.

Name	Cat. No.
MagBeads FastDNA Kit for Soil	116561050
MagBeads FastDNA Kit for Feces	116570400



Figure 1. Soil Sample Analysis

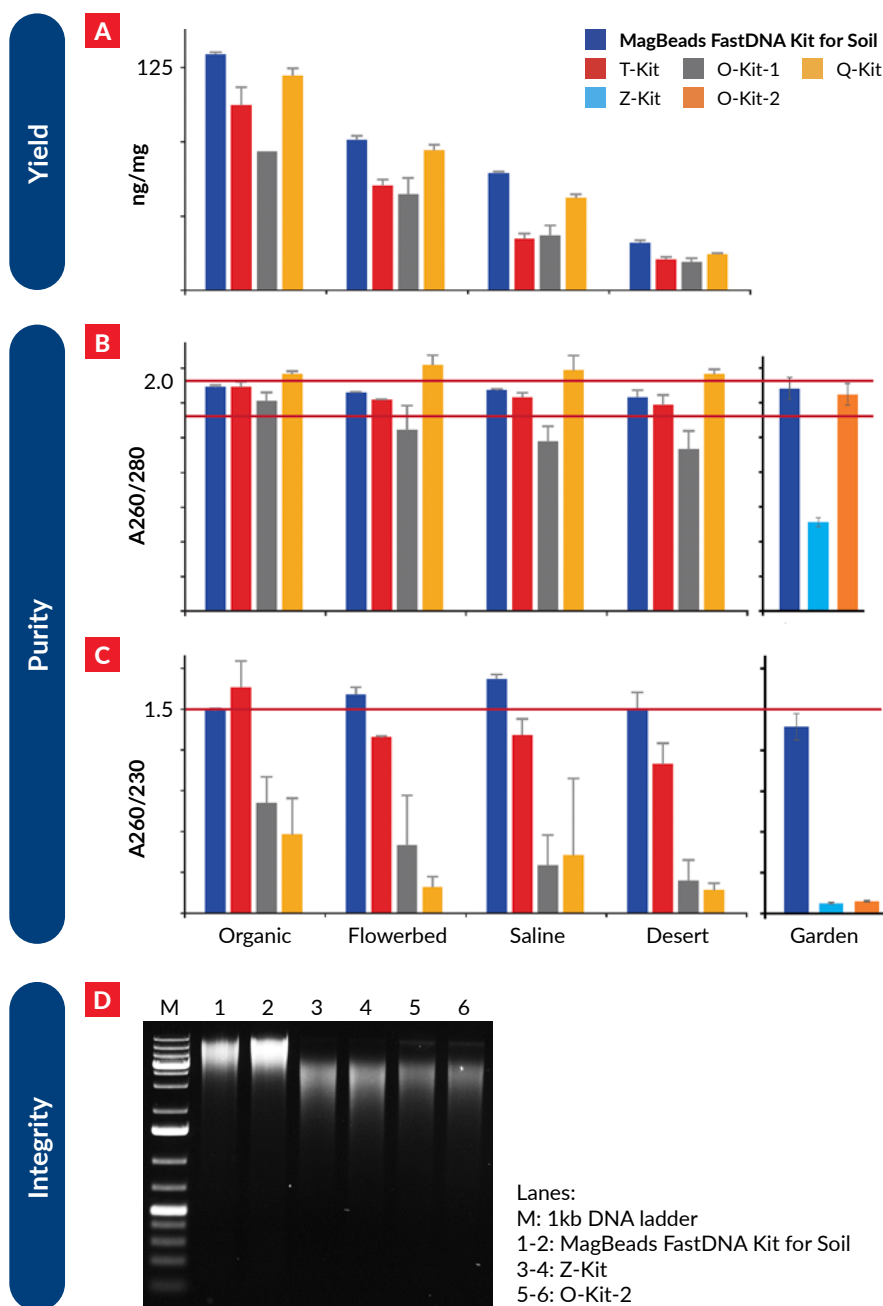


Figure 1. Soil sample DNA analysis using MagBeads FastDNA Kits or competitor kits. (A) DNA yield of various soil sample inputs using MagBeads FastDNA Kit for Soil (blue bars) or competitor kits. (B) A260/280 absorbance ratios or (C) A260/230 absorbance ratios of DNA purified from various soil samples using MagBeads FastDNA Kit for Soil (blue bars) or various competitor kits. A260/230 ratios are often used as an indicator for the presence of contaminating organic compounds. (D) Quality/Integrity of DNA extracted using MagBeads FastDNA Kit for Soil or competitor kits shown by agarose gel electrophoresis.

Figure 2. Feces Sample Analysis

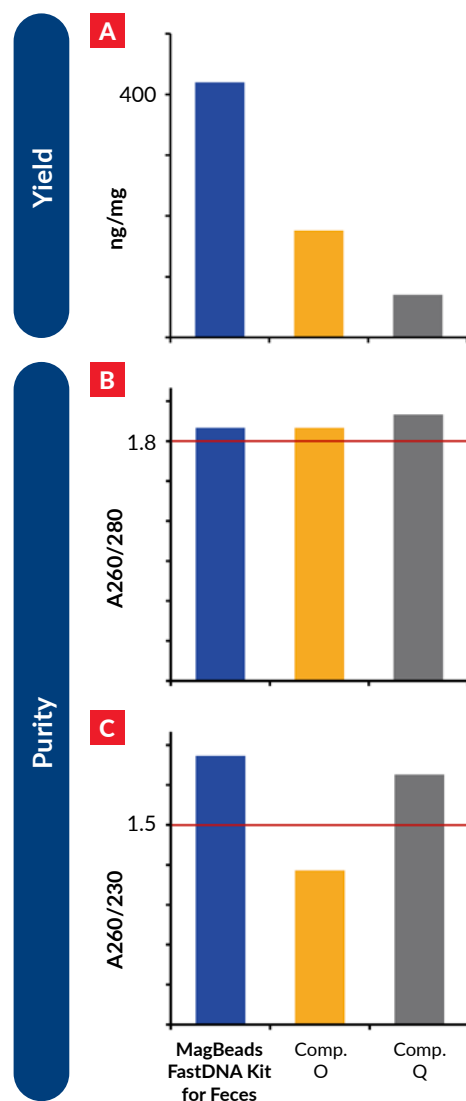


Figure 2. Fecal sample DNA analysis using MagBeads FastDNA Kits or competitor kits. (A) DNA yield of fecal samples using MagBeads FastDNA Kit for Feces (blue bars) or competitor kits. (B) A260/280 absorbance ratios or (C) A260/230 absorbance ratios of DNA purified from fecal samples using MagBeads FastDNA Kit for Feces (blue bars) or various competitor kits. A260/230 ratios are often used as an indicator for the presence of contaminating organic compounds.