

MGIEasy Stool Microbiome DNA Extraction Kit II

MGIEasy Stool Microbiome DNA Extraction II Kit is designed for extracting and purifying high quality microbial genomic DNA from fresh and frozen human stool, saliva and swab samples. With grinding beads, it can achieve low-bias extraction of microbial species from samples, including G-/G+ bacteria, fungi, protozoa, etc. The extracted product can be used for metagenomic analysis, intestinal flora research, probiotics research, etc.



High extraction efficiency

High extraction yield, good extraction purity, and can effectively remove PCR inhibition.



Wide range of sample types

It can extract samples such as fresh and frozen human stool, swab, and saliva.



Automation friendly

Compatible with the high-throughput automated sample preparation system MGISP-960 and the high-throughput automated nucleic acid extraction system MGISP-NE384.



High safety

Free of hazardous components such as phenol, make experiment safe.



Product Information

Product Name	MGIEasy Stool Microbiome DNA Extraction Kit II
Specification	96 preps, 384 preps
Period of Validity	12 months
Storage Condition	2 °C - 30 °C
Compatible Samples	Fresh or frozen human stools, saliva and swab
Input volume	200 µL - 1000 µL
Elution volume	50 µL - 150 µL
Compatible Automation	High-throughput automated sample preparation system MGISP-960, 96 samples/run High throughput nucleic acid extraction system MGISP-NE384, 384 samples/run
TAT	MGISP-960: ~60 min, MGISP-NE384: ~35 min

Performance

- **Sample type:** Saliva sample **Input volume:** 1000 μ L **Output volume:** 50 μ L

Experimental method: Using MGI's kit and Brand M's kit, manual extraction was performed on three saliva samples (S1-S3). Each sample was replicated three times, and the average value was taken, and the products were quantitatively detected by Qubit.

Result: The yield, A260/A280 and A260/A230 values of MGI were better than those of brand M, indicating that MGI's kit had better extraction effect on saliva samples.

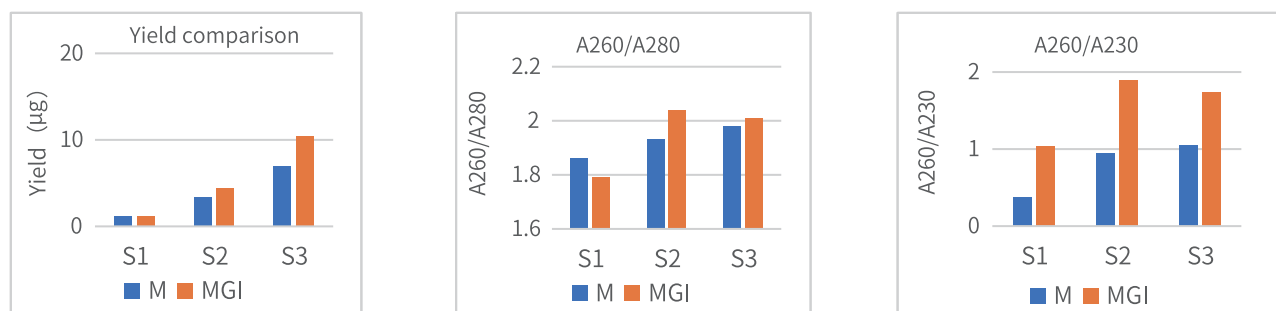


Figure 1 The comparison of saliva sample yield and purity

- **Sample type:** Stools **Input volume:** 1000 μ L **Output volume:** 90 μ L

Experimental method: The stool samples from three different sources were manually extracted using MGI's kit and Brand Z's kit, each sample was repeated three times, the average value was taken, and the products were quantitatively detected by Qubit.

Result: Under a sample input amount of 250mg, MGI exhibited superior yield and purity compared to Brand Z.

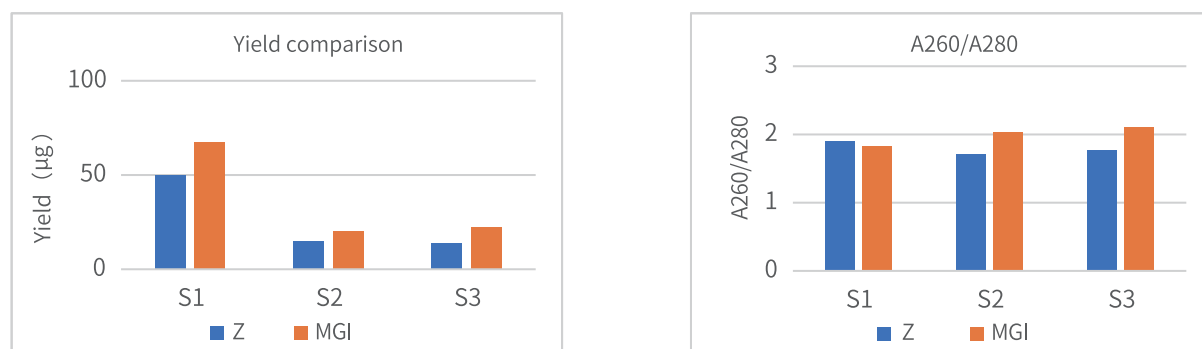


Figure 2 The comparison of stool sample yield and purity

Order Information

Cat. No.	Name	Model	Specification	Unit	Note
940-001247-00	MGIEasy Stool Microbiome DNA Extraction Kit II	SD03T-96	96 preps	Kit	RUO
940-001246-00	MGIEasy Stool Microbiome DNA Extraction Kit II	SD03T-384	384 preps	Kit	RUO

