MGIEasy Stool Human DNA Extraction Kit / Nucleic Acid Extraction Kit

MGIEasy Stool Human DNA Extraction Kit / Nucleic Acid Extraction Kit is designed for efficiently extracting and purifying high quality genomic DNA from fresh and frozen human stool samples. The extracted product can be used for the early screening of colorectal cancer and the research of human intestinal diseases.

Focuses on extraction of human gDNA

The extraction product is a higher-quality human gDNA that effectively removes most microbial gDNA

High extraction efficiency

The extraction product can fully satisfy the downstream operation and has no PCR inhibition

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 Human DNA Extraction Kit / Nucleic Acid Extraction Kit
Cat. No.	1000028534 & 1000028535 / 940-000155-00& 940-000157-00
Model	SD01T-96 & SD01T-1536
Specification	96 preps, 1536 preps
Storage	Dry storage at 2°C-30°C
Period of validity	12 months
Sample type	Fresh and frozen human stools
Input	200 μL
Output	100-150 μL
Automation	High-throughput automated sample preparation system MGISP-960, 96 samples/run High throughput nucleic acid extraction system MGISP-NE384, 384 samples/run
TAT	Manual: ~ 90 min, MGISP-960: ~ 90 min, MGISP-NE384: ~ 60 min

Performance

- **Case1**

Sample type: fresh human stools

Input volume: 200 μL

Output volume: 100 μL

Extraction method1: manual extraction

Extraction method2: automation platform (MGISP-960)

Extraction method3: automation platform (MGISP-NE384)

Result:

The extraction product can fully satisfy the downstream operation and has no PCR inhibition. And, the extraction performance of automatic and manual extraction are basically consistent, indicating that MGI's kit has high adaptability.

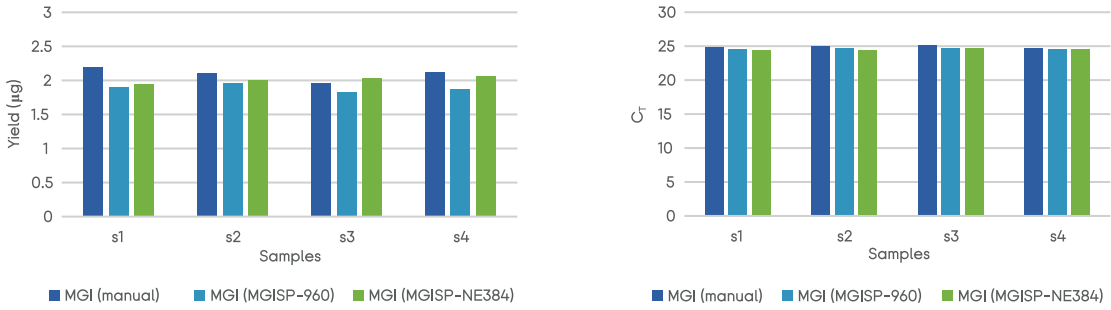

Figure 1 Comparison of manual and automated extraction methods of MGI's kit

- **Case2**

Sample type: fresh human stools

Input volume: 200 μL

Output volume: 100 μL

Extraction method: automation platform (MGISP-NE384)

Kits: 3 different batches of the MGI's kit

Result:

Electrophoretic diagram showed that the extracted gDNA from different batches of kits had good integrity, and C_T values maintain stability in different batches.

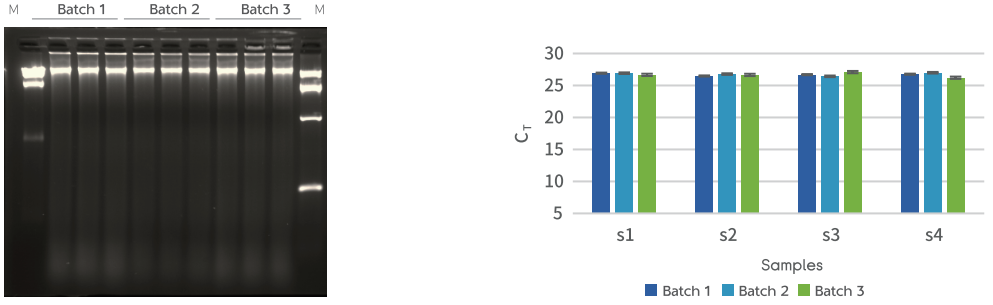

Figure 2 Extraction efficiency of MGI's kit in different batches

Ordering Information

Name	Cat. No.	Model	Specification	Unit	Certification
MGIEasy Stool Human DNA Extraction Kit	1000028534	SD01T-96	96 preps	Kit	RUO
MGIEasy Stool Human DNA Extraction Kit	1000028535	SD01T-1536	1536 preps	Kit	RUO
Nucleic Acid Extraction Kit	940-000155-00	SD01T-96	96 preps	Kit	CEDoc
Nucleic Acid Extraction Kit	940-000157-00	SD01T-1536	1536 preps	Kit	CEDoc

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