

# MGIEasy Magnetic Beads Genomic DNA Extraction Kit

By using the unique, high-binding, super-paramagnetic beads, this kit is used to extract high-quality genomic DNA quickly and easily from animal tissues, dried blood spots, amniotic fluid, blood, saliva, buccal swabs, cells and other samples. The extracted genomic DNA can be used for various routine applications, including enzyme digestion, PCR, real-time PCR, library preparation, chip hybridization and high-throughput sequencing.



### Wide sample types

Animal tissues, dried blood spots, amniotic fluid, blood, saliva, buccal swabs, cells, etc.



### High recovery rate

The recovery rate is more than 85%



### High extraction efficiency

High yield, high purity and good fragment integrity



### Provide high-throughput automation solutions

Automated Nucleic Acid Extractor MGISP-NE384 can provide solutions for high-throughput automatic extraction of different samples



## Product Information

Product Name	MGIEasy Magnetic Beads Genomic DNA Extraction Kit/MGIEasy Genomic DNA Extraction Prepacked Kit (MGISP-NE384)
Specification	Tube reagents : 96 preps/kit, 864 preps/kit Prepacked reagent : 384 preps/kit
Period of Validity	The MGIEasy Magnetic Beads Genomic DNA Extraction Kit is valid for 18 months, The MGIEasy Genomic DNA Extraction Prepacked Kit (MGISP-NE384) is valid for 12 months
Storage Condition	2 °C-30 °C
Compatible Samples	Animal tissues, dried blood spots, amniotic fluid, blood, saliva, buccal swabs, cells and other samples
Elution volume	Tube: 50 µL-100 µL, MGISP-NE384 Prepacked : 150 µL
Compatible Automation	Automated Nucleic Acid Extractor MGISP-NE384, 384 samples/run
TAT	MGISP-NE384: ~40 min



## Performance

- **Sample type:**Bovine ear tissue    **Input :**15 mg    **Output volume:**100  $\mu$ L

**Experimental method :** The same sample was extracted by MGI's kit, brand M's kit, brand T's kit and brand L's kit. each sample was replicated three times, the average value was taken for comparison, and the products were quantitatively detected by Qubit.

**Extraction results:** The yield and purity of MGI were better than those of brand M, brand T and brand L, indicating that the extraction effect of MGI kit was better.

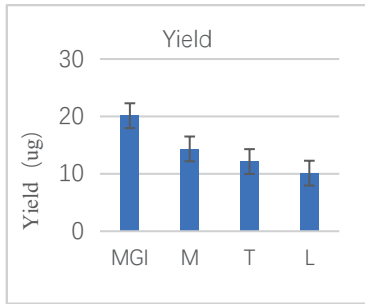


Figure 1 Comparison of extraction yield

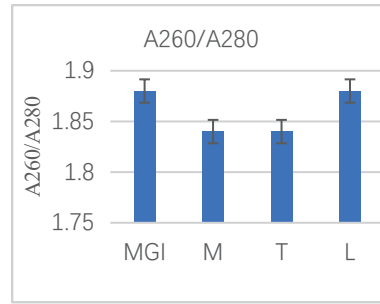


Figure 2 Comparison of A260/A280

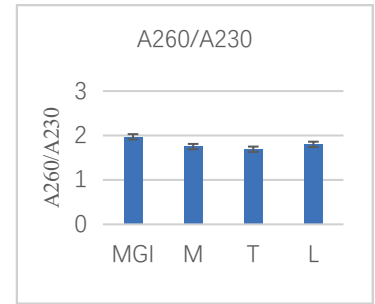


Figure 3 Comparison of A260/A230

- **Sample type:** Mouse tissue    **Input :**15 mg    **Output volume:**100  $\mu$ L

**Experimental method:** Mouse tissue samples (heart, liver, spleen, lung, kidney) were extracted by MGI's kit and brand T's kit. each sample was replicated three times and the average value was compared. The products were quantitatively detected by Qubit.

**Extraction results:** The overall extraction yield of MGI's kit is better than brand T's kit, and the purity is equivalent to that of brand T, indicating that the extraction performance of MGI is better.

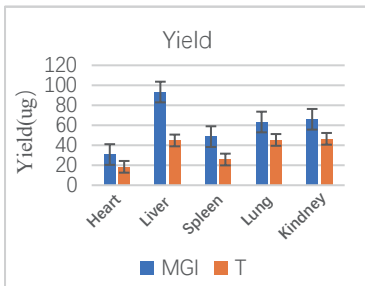


Figure 4 Comparison of extraction yield

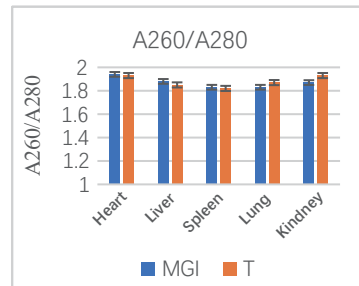


Figure 5 Comparison of A260/A280

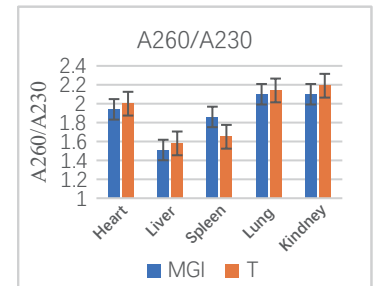


Figure 6 Comparison of A260/A230



## Order Information

Name	Cat. No.	Model	Specification	Note
MGI Easy Magnetic Beads Genomic DNA Extraction Kit	940-000972-00	WDT-96	96 preps /kit	RUO
	940-000973-00	WDT-864	864 preps /kit	RUO
MGI Easy Genomic DNA Extraction Prepacked Kit(MGISP-NE384)	940-000974-00	WDP-384	384 preps /kit	RUO

### MGI Tech Co., Ltd.

📍 Building11, Beishan Industrial Zone, Yantian District, Shenzhen, China

☎ +86-4000-688-114

Version: July 2024 | MGPD4171002

🌐 en.mgi-tech.com

✉ MGI-service@mgi-tech.com

