

MGEasy Magnetic Beads Genomic DNA Extraction Kit



The MGEasy Magnetic Beads Genomic DNA Extraction Kit is designed for extracting high quality genomic DNA from various sample types using superparamagnetic bead technology, which avoids using the toxic phenol chloroform during extraction. The turn-around-time is less than 90 minutes. The extracted product can be used for PCR, real time PCR, Arrays and Sequencing. etc.

Feature

- High efficiency of genomic DNA recovery
Higher yield than competitor
- High purity of extracted genomic DNA
The OD₂₆₀/OD₂₈₀ of extracted genomic DNA is 1.7-1.9
- Automation friendly
Compatible with MGI automation platform
- Compatible with various sample types
Whole blood, saliva, cells, tissue, etc.

Performance

Sample : Blood

Method : The extracted genomic DNA detected by Qubit, qPCR, Nanodrop and gel electrophoresis.

Result : The MGI's kit shows higher gDNA yield, better purity than competitor. And the consistence between auto and manual is good.

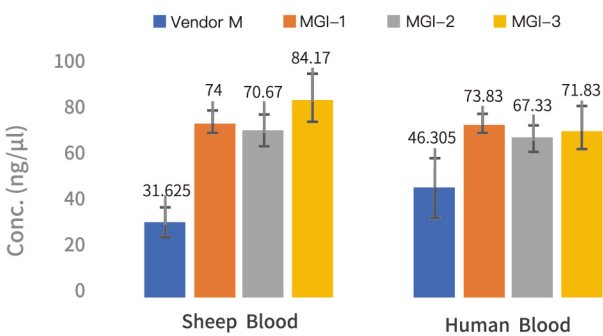


Figure 1. Blood extraction DNA concentration by Qubit (Elution volume is 100μL)

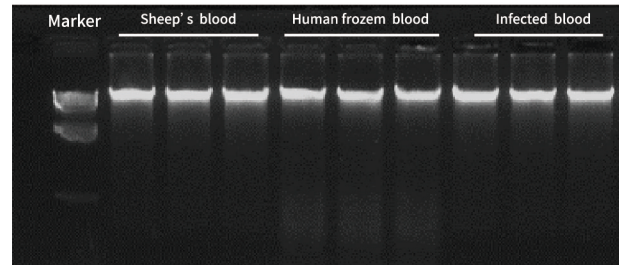


Figure 2. DNA integrity by electrophoresis

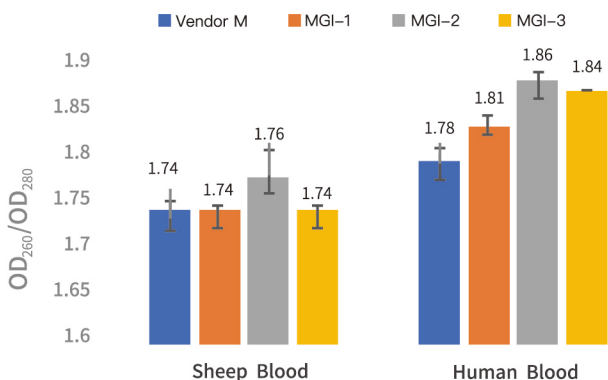


Figure 3. Blood extraction DNA purity
OD₂₆₀/OD₂₈₀

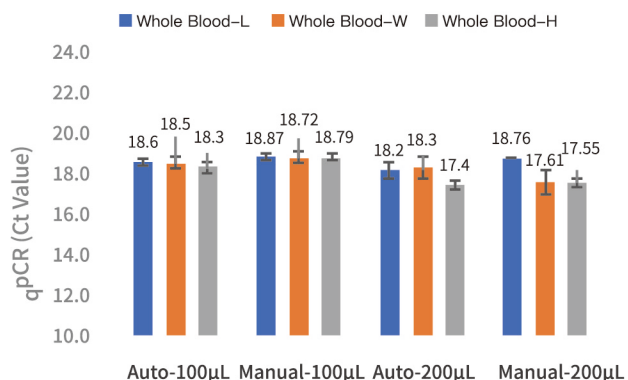


Figure 4. QPCR results of Manual vs automated extraction MGISP-100

MGIEasy Magnetic Beads Genomic DNA Extraction Kit



Sample : Saliva

Method : The extracted genomic DNA detected by qPCR.

Result : The MGI's kit shows higher gDNA yield than competitor.

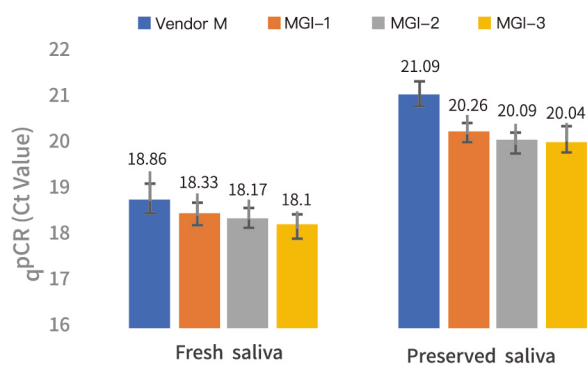


Figure 5. QPCR results of saliva sample extraction

Product Specification

TAT	1.5 h
Specification	48 Preps
Sample type	blood, saliva from MGI saliva DNA collection kits, fresh saliva, buccal swabs, animal tissues, cells, etc.
Input	200 μ L for blood
	200-400 μ L for Buccal swabs
	200-400 μ L for Saliva
	2-10mg for Tissue
	Less than 5×10^6 cells
Compatible automation platform	MGISP-100

Order Information

Kit Name	Specification	Cat.No.
MGIEasy Magnetic Beads Genomic DNA Extraction Kit	48 Preps	1000010524

Manufactured by MGI Technology Co., Ltd.

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