

MGIEasy Blood Genomic DNA Extraction Prepacked Kit (MGISP-NE32)

This kit adopts superparamagnetic magnetic bead technology, which is suitable for genomic DNA extraction from blood, buffy coat and saliva samples. It is perfectly suitable for automated nucleic acid extractor MGISP-NE32, and the extracted products can be applied to fluorescence quantitative PCR, Array and high-throughput sequencing.



High extraction efficiency

The released nucleic acid is captured by superparamagnetic magnetic beads with high binding force.



Wide adaptation sample types

Suitable for buffy coat, fresh blood, frozen blood and fresh saliva samples.



Simple operation

The main reagent is prepacked to the plate, which is easy to operate.



Product Information

Product Name	MGIEasy Blood Genomic DNA Extraction Prepacked Kit
Specification	32 preps
Period of validity	12 months
Storage	Dry storage at 2°C~30°C
Sample type	blood/saliva/buffy coat
Input	blood sample/buffy coat 200 µL, salivary preservation fluid sample/fresh saliva 300 µL
Output	150 µL
Automation	MGISP-NE32
TAT	MGISP-NE32: ~50 min

Performance

- Sample types: Frozen blood

Extraction equipment: MGISP-NE32

Result: 8 blood samples were extracted with MGI kit, the input volume was 200 μ L, and the extracted products were quantitatively detected by Qubit, the results showed that the yield was between 3-5 μ g, and the main band of genomic DNA was 23 Kb.

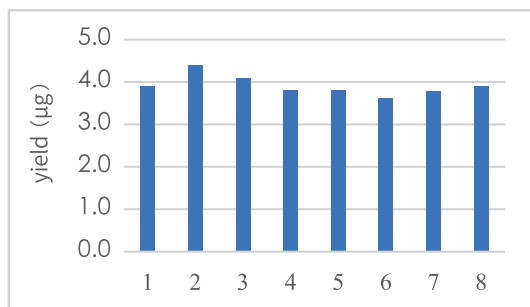


Figure 1 Extraction yield of MGI kit

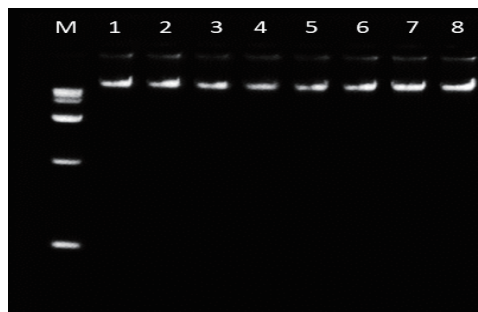


Figure 2 Electrophoretic image of extracted products

- Sample types: Frozen blood

Extraction equipment: MGISP-NE32

Result: The same batch of kit tested the Intra-batch stability, the different batch of kit tested the inter-batch stability, and the extracted products were quantitatively detected by Qubit, the result show that CV of intra-batch stability was 11.94%, CV of inter-batch stability was 8.7%, satisfying $CV \leq 15\%$. The $A_{260}/A_{280} > 1.6$, the $A_{260}/A_{230} > 1.3$.

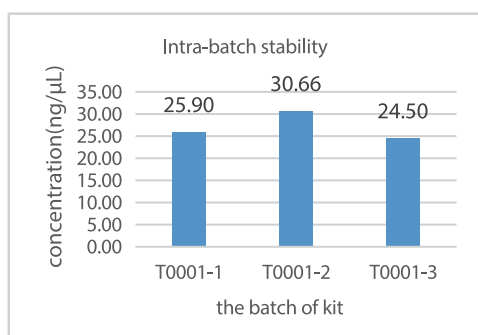


Figure 3 Intra-batch stability data

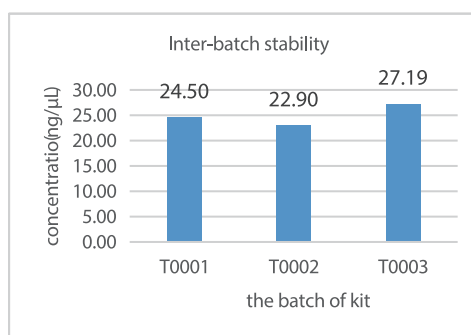


Figure 4 Inter-batch stability data

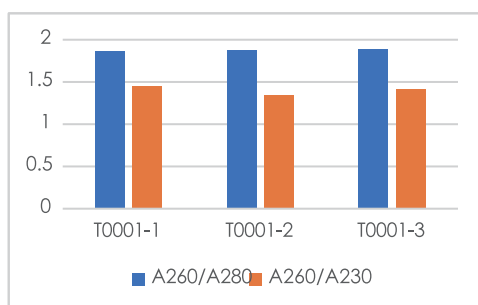


Figure 5 The stability of purity in batch

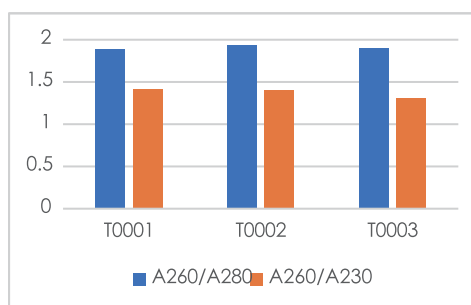


Figure 6 The stability of purity between batches

Order Information

Cat. No.	Name	Specification	Note
940-000071-00	MGIEasy Blood Genomic DNA Extraction Prepacked Kit	32 preps	RUO

