

Distribution

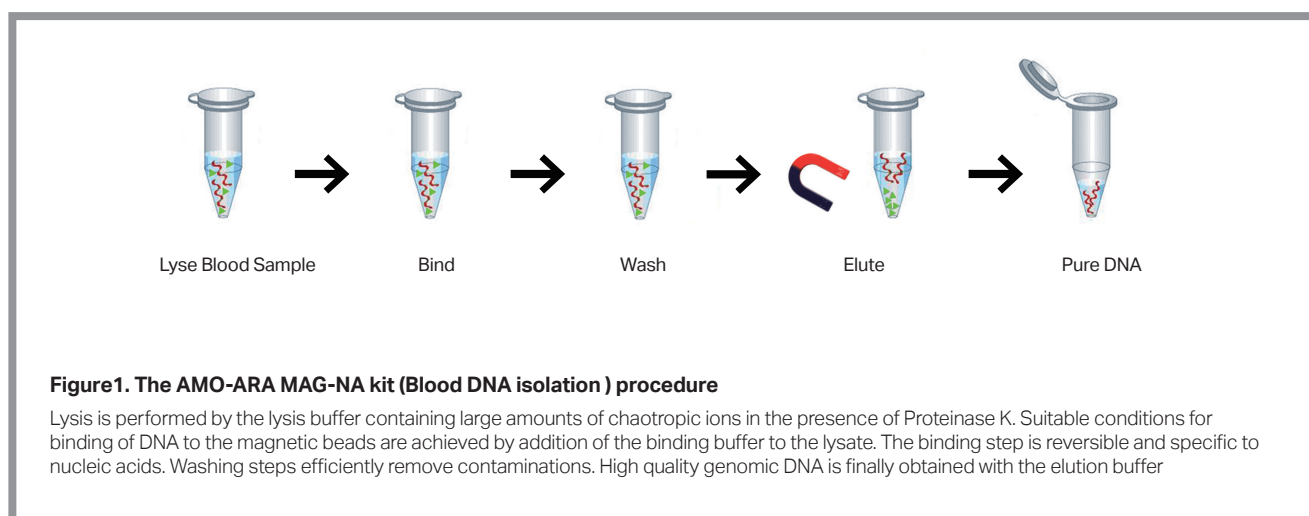
MagNA Kit

Blood DNA Isolation

96 Preps



AMO-ARA MAG-NA Kit (Blood DNA isolation) is designed for the rapid isolation of high quality genomic DNA from whole blood. Preparation time for a single sample is less than 30 minutes (Figure 1), decreasing the chances of DNA degradation. The kit contains sufficient materials for 96 preparations. The purified, high-quality DNA is ready-to-use for a wide variety of demanding downstream applications.



Specifications

- Isolation of genomic DNA without the use of harmful chemicals.
- Purification of highly pure genomic DNA with an A260/A280 ratio between 1.8 and 2.0 and A260/A230 ratio greater than 2.0.
- More than 4 ug per sample using 200 ul of whole blood.
- Ready-to-use for subsequent reactions like PCR, Southern blotting, any kind of enzymatic reactions, or library preparation for NGS.

Ordering information

Product Description	Catalog Number	Unit
AMO-ARA MAG-NA Kit (Blood DNA Isolation)	BKD4DBL96	96 preps

Comparison of genomic DNA extracted from whole blood using the AMO-ARA MAG-NA Kit and competitor's kits.

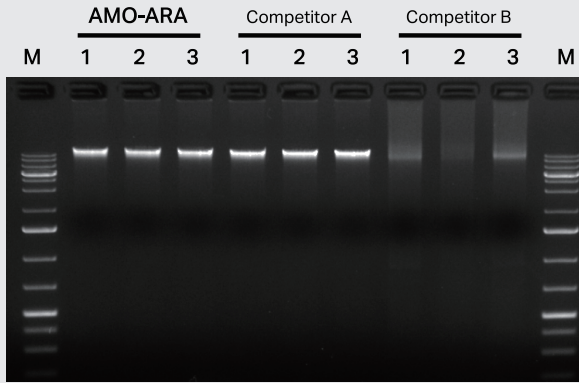


Figure 2. Comparison of quality of gDNA extracted from human whole blood using the AMO-ARA MAG-NA Kit and competitor's kits.

Genomic DNA was isolated from 200 μ L of whole blood using AMO-ARA MAG-NA Kit and competitor's kits. The extracted DNA was evaluated by loading 100 ng of DNA on 1% TAE agarose gel.

M : DNA Ladder
 Lane 1 ~ 3 : AMO-ARA MAG-NA Kit
 Lane 4 ~ 6 : Competitor A Genomic DNA Extraction Kit
 Lane 7 ~ 9 : Competitor B Genomic DNA Extraction Kit

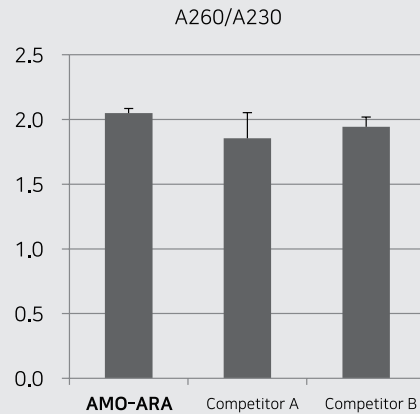
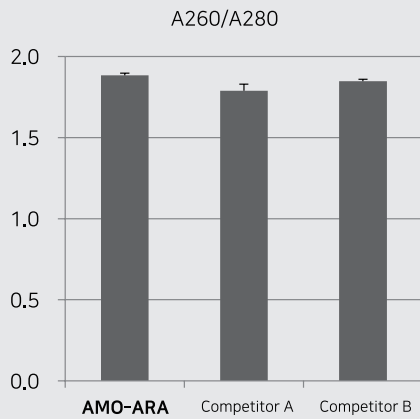


Figure 3. Comparison of purity of gDNA extracted from human whole blood using the AMO-ARA MAG-NA Kit and competitor's kits. The AMO-ARA MAG-NA Kit showed a better purity than the competitor's kits.

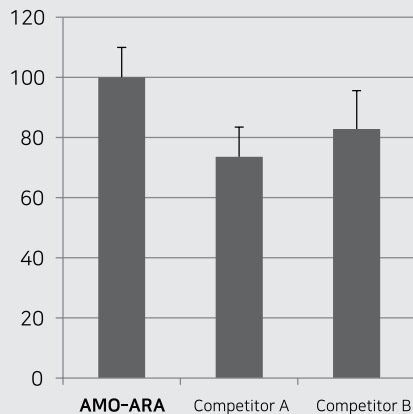


Figure 4. Comparison of quantity of gDNA extracted from human whole blood using the AMO-ARA MAG-NA Kit and competitor's kits.

The results showed that the AMO-ARA MAG-NA Kit yielded more gDNA compared to the competitor's kits. The yield was expressed as a percentage relative to DNA obtained from the AMO-ARA MAG-NA Kit (set to a value of 100).