



# **R6611 MagPure Blood RNA Kit**

Magnetic Bead method Blood RNA extraction kit

# MagPure Blood RNA Kit Automated extraction

Pre-packed 96 well plate



- Channels: 16/32/48/96
- Easy to operate: touch screen operation, flexible program editing
- Mixing: tapping type
- Extraction time: about 50 minutes

Step 1: Invert the 96 well plate, fully suspend the magnetic beads, stand upright for 1 minute, and remove the sealing pocket and film.

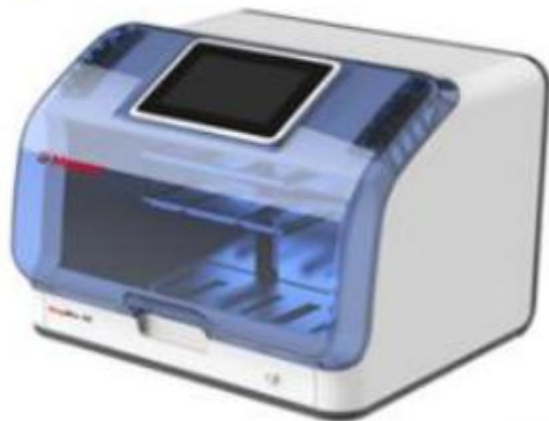
Step 2: Add 500 $\mu$ l lysis buffer into wells of Row 1/7 (steps 1-5 of Protocol 1).  
Add an appropriate amount of DNase mixture to Row 3/9.

Step 3: Insert the magnetic tip comb and 96 well plate into the instrument, edit the program according to the protocol, and start the corresponding program.

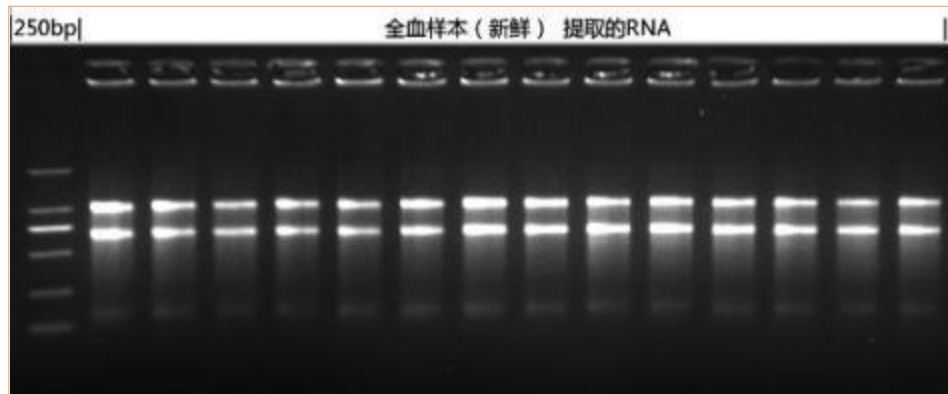
Step 4: When the extraction is paused, add an appropriate amount of Buffer MLBN to Row 3/9 and continue the program.

Step 5: After about 30 minutes, the extraction complete, remove the 96 well plate and transfer the RNA from Row 6/12 to a 1.5ml centrifuge tube for storage or direct use.

MagMix 32B



High quality RNA can be extracted from all 14 samples



| Sample           | Conc. (ng/μl) | Yield (μg) | A260/A280 | A260/A230 | A260 | A280 |
|------------------|---------------|------------|-----------|-----------|------|------|
| 14 Blood Samples | 263.48        | 26.35      | 2.11      | 1.56      | 6.59 | 3.12 |
|                  | 257.99        | 25.80      | 2.12      | 1.98      | 6.45 | 3.04 |
|                  | 237.51        | 23.75      | 2.13      | 2.00      | 5.94 | 2.79 |
|                  | 273.31        | 27.33      | 2.13      | 1.83      | 6.83 | 3.20 |
|                  | 278.48        | 27.85      | 2.11      | 1.28      | 6.96 | 3.30 |
|                  | 268.71        | 26.87      | 2.13      | 1.56      | 6.72 | 3.16 |
|                  | 265.68        | 26.57      | 2.11      | 1.26      | 6.64 | 3.15 |
|                  | 208.72        | 20.87      | 2.10      | 1.58      | 5.22 | 2.48 |
|                  | 217.21        | 21.72      | 2.12      | 1.88      | 5.43 | 2.56 |
|                  | 218.67        | 21.87      | 2.12      | 1.85      | 5.47 | 2.57 |
|                  | 219.00        | 21.90      | 2.13      | 1.91      | 5.48 | 2.57 |
|                  | 217.01        | 21.70      | 2.13      | 1.97      | 5.43 | 2.55 |
|                  | 217.30        | 21.73      | 2.13      | 1.88      | 5.43 | 2.55 |
|                  | 235.84        | 23.58      | 2.14      | 1.87      | 5.90 | 2.76 |

- Extract total RNA from 14 blood samples using MagPure Blood RNA Kit. Measure the concentration using Thermo Nanodrop 2000 and calculate the purity. Take an appropriate amount of RNA, analyze by 1.5% agarose gel electrophoresis.
- The results indicate that high-quality, high-purity, and complete RNA can be obtained from blood samples extracted by MagPure Blood RNA Kit, with almost no degradation. The obtained RNA can be directly used for experiments such as RT-PCR, fluorescence quantification, second-generation sequencing, virus RNA detection, etc.