

Product Datasheet

Vazyme - VAMNE Magnetic Pathogen DNA/RNA Kit (RM601-01)

Description

This kit is intended for isolation and purification of DNA and RNA from biological fluid samples (alveolar lavage fluid, blood, sputum, cerebrospinal fluid, swab eluate, etc.) and microbial cultures. It combines chemical and mechanical lysis methods and can efficiently lyse bacterial and fungal cells with thick cell walls. The kit uses high-affinity silicon-based magnetic beads, which adsorb nucleic acids in a high-salt buffer through hydrogen bonds and electrostatic forces. Unwanted proteins and salt ions are then rinsed away. Nucleic acids will be released in a low-salt eluent or Nuclease-free ddH₂O, enabling fast isolation and purification of nucleic acids. The extraction process with this kit is safe, fast, and simple as toxic reagents such as phenol and chloroform are not required. While ensuring efficiency in nucleic acid extraction, the kit also minimizes proteins, inorganic salts, and other impurities. The isolated DNA and RNA are suitable for various downstream applications, including PCR, real-time PCR, metagenomic library preparation, and DNA/RNA library preparation.

Storage

Store Proteinase K at 2 ~ 8°C and adjust the shipping method according to the destination. Store the other components at 15 ~ 25°C and transport at room temperature

Note

For research use only

Application notes

Wide compatibility: Compatible with blood, swab, sputum, alveolar lavage fluid and other biological fluid samples and bacterial fluid samples
Fast: Extraction can be completed within 44 min
High efficiency: Efficiently lyse hard-to-break microorganisms
Co-extraction: The DNA/RNA of pathogenic microorganisms can be simultaneously extracted

Expiration Date

12 months from date of receipt.

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