

Accutest Universal Pathogen DNA/RNA Extraction and Purification Kit

Magnetic-bead isolation of total pathogen nucleic acids

1 x 96

BMR6532.CX-00

4 x 96

BMR6532.CX-01

20 x 96

BMR6532.CX-02

OVERVIEW

The Accutest Universal Pathogen DNA/RNA Extraction and Purification Kit provides a rapid, reliable magnetic-bead method for isolating total pathogen nucleic acids from a broad range of specimen types. Purified DNA/RNA is suitable for PCR, qRT-PCR, and other downstream molecular applications.

PLATFORM COMPATIBILITY

Compatible with KingFisher, Biomek, Hamilton, and other automated liquid-handling platforms.

SUPPORTED SPECIMEN TYPES

- Nasopharyngeal swabs, aspirates, and washes
- Oropharyngeal swabs, aspirates, and washes
- Bronchoalveolar lavage (BAL) fluid
- Tracheal aspirates
- Plasma
- Serum
- Urine
- Nail specimens

MAGNETIC-BEAD WORKFLOW

1

Prepare

Prepare reagents and specimen-specific pretreatment.

2

Lyse

Add the specimen to the lysis and binding mixture.

3

Bind

Capture pathogen nucleic acids with magnetic beads.

4

Wash

Magnetize the beads and remove residual contaminants.

5

Dry

Air-dry the magnetic beads as directed in the IFU.

6

Elute

Recover purified DNA/RNA for downstream use.

Workflow shown is a simplified overview. Always follow the current Instructions for Use.

KIT CONTENTS BY CONFIGURATION

Three reagent configurations are available. Elution plates are not included.

Component	1 x 96	4 x 96	20 x 96
Lytic Enzyme Mix	2.5 mL	10 mL	45 mL
Buffer MYE	30 mL	120 mL	510 mL
Magnetic Binding Beads	1 mL	5 mL	25 mL
RNA Wash Buffer	12 mL	50 mL	220 mL
DEPC-Treated ddH2O	5 mL	20 mL	100 mL
Proteinase K	1.2 mL	5 mL	22 mL
L Solution	210 µL	1 mL	5 mL
Buffer SE	20 mL	80 mL	400 mL

RNA Wash Buffer requires the addition of 100% ethanol before use. Refer to the IFU for the required volume.

STORAGE AND STABILITY

- Magnetic Binding Beads: 2-8 °C
- All other components: 15-25 °C
- 12-month stability when stored as specified

REQUIRED BUT NOT SUPPLIED

- 100% ethanol and 100% isopropanol
- Compatible 96-well magnetic rack
- RNase-free laboratory consumables
- Elution plates

PURIFIED DNA/RNA FOR MOLECULAR APPLICATIONS

Purified nucleic acids are suitable for PCR, qRT-PCR, and other downstream molecular applications. Contact Jant Pharmacal for product selection, workflow support, and ordering information.

www.jantdx.com/product/accutest-universal-pathogen-dna-rna-extraction-and-purification-kit/