Datasheet for ABIN6952541

Mbead Virus Genomic Nucleic Acid Kit (MBeads Based)

Overview

Quantity:	100 tests
Application:	DNA Extraction (DEx), RNA Extraction (REx)

Product Details

Purpose:	MBead Virus Genomic Nucleic Acid Kit was designed specifically for genomic DNA/RNA isolation from Virus samples.
Sample Type:	Plasma, Serum
Characteristics:	This MBead Virus Nucleic acid Kit is designed specifically for the simultaneous virus DNA/RNA purification from the plasma, serum, body fluid or supernatant of virus-infected cell cultures. Its unique buffer system will efficiently lyse cells and degrade proteins, allowing for the nucleic acid to be easily bound by the surface of the magnetic beads. The other non-specific binding particles are removed with a wash buffer, and the nucleic acid is then released into the Release Buffer. The nucleic acid can be purified manually within 10~15 minutes (using most magnetic separators) or the kit can be easily adapted to satisfy most automated nucleic acid purification systems.
Components:	Magnetic Bead Lysis Buffer Wash Buffer Release Buffer
Material not included:	Absolute EtOH Magnetic separator 1.5 mL microcentrifuge tubes Water bath / Dry bath

Application Details

Application Notes:	• Sample: Up to 300 µL of the virus sample • Operation time: Within 10~15 minutes • Applications: Restriction Enzyme Digestion, Southern Blotting, PCR and qPCR assays • Storage: Room temperature
Assay Time:	15 min
Assay Procedure:	**Step 1 Lysis** 1. Transfer up to 300 µL of the virus sample into a 1.5 mL microcentrifuge tube and add 300 µL of the Lysis Buffer. 2. Mix well and incubate at 65 °C for 5 minutes. During this time, pre-heat the Release Buffer to 65 °C for the Step 4. 3. Add 300 µL of the absolute EtOH to the lysate and mix well. **Step 2 DNA Binding** 1. Add 20 µL of the Magnetic Beads. Mix well by gently shaking for 3 minutes. 2. Place the tube in a magnetic separator for 30 seconds. 3. Remove the solution (If the mixture becomes viscous, increase magnetic bead separtion time). **Step 3 Wash** 1. Add 800 µL of the Wash Buffer and mix well (Following the wash, the mixture will no longer be viscous). 2. Place the tube in a magnetic separator for 30 seconds. Remove the solution. **Step 4 Release** 1. Add 200 µL of the Release Buffer (pre-heated to 65 °C) and mix well. 2. Incubate for 3 minutes at 65 °C (During the incubation, shake the tube vigorously every minute). 3. Place the tube in a magnetic separator for 1 minute. 4. Carefully transfer ONLY the clean portion of the solution to a clean tube.
Restrictions:	For Research Use only

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)