
Mag96 Swab Viral DNA/RNA Kit (pre-packaged)

Product Information

Product Name	Cat#	Specification
Mag96 Swab Viral DNA/RNA Kit (pre-packaged)	18520ES59	96 T

Product Description

Mag96 Swab Viral DNA/RNA Kit (pre-packaged) can quickly and efficiently separate and purify high-purity virus DNA/RNA from swabs and virus culture supernatants. The unique magnetic beads and carefully optimized buffer system are used to effectively capture the released nucleic acids. The extracted viral DNA/RNA has high purity, stable and reliable quality, and is suitable for various downstream application experiments, such as PCR, qPCR and so on. This product can be used with AP-96N automatic nucleic acid extraction instrument to realize high-throughput extraction of nucleic acids.

Product Components

Component number	Component name	18520ES59 (96 T)
18520-A	Lysis and bonding plate	1 piece / bag × 1 pack
18520-B	Washing and magnetic bead plate	1 piece / bag × 1 pack
18520-C	Elution plate	1 piece / bag × 1 pack
18520-D	96 deep-well magnetic rod sleeve	1 piece / bag × 1 pack

Shipping and Storage

The product components can be stored at room temperature for 12 months.

Cautions

- 1) If each component is precipitated or turbid (especially in winter or the low room temperature), heat it at 40 °C until the solution is clear.
- 2) Magnetic beads may remain during elution, so try to avoid inhaling magnetic beads when absorbing eluent.
- 3) Avoid repeated freezing and thawing of frozen samples, otherwise the quality of DNA/RNA in the samples will be reduced.
- 4) For your safety and health, please wear experimental clothes and disposable gloves.

Procedure

1) Take out the pre-packaged 96 deep well plate from the kit, fully reverse and mix. Use the 96 well plate centrifuge for short centrifugation (or hand shaking) to prevent liquid hanging. Carefully remove the aluminum foil sealing film before use to prevent liquid splashing.

2) Take the swab sample and full vortex oscillation. Then, absorb 200 μ L sample solution to the hole of lysis and bonding plate. If the sample is less than 200 μ L, add normal saline or PBS solution to 200 μ L.

3) Put the 96 magnetic rod sleeve correctly into the magnetic rod rack of the nucleic acid extraction instrument, and correctly place each 96 well plate into the nucleic acid extraction instrument in the following order:

Station 1: lysis and bonding plate

Station 2: washing and magnetic bead plate

Station 6: elution plate

4) Run the nucleic acid extraction procedure. After the procedure, the solution in each hole of the elution plate is the nucleic acid solution extracted from the swab sample. If storage is required, the eluent in each hole of the elution plate can be transferred to a clean RNase free centrifuge tube. The solution can be stored at -20 $^{\circ}$ C for a short time and -80 $^{\circ}$ C for a long time.

Procedure of AP-96N automatic nucleic acid extraction instrument

Procedure	Step 1	Step 2	Step 3	Step 4	Step 5
Station	2	1	2	6	2
Waiting time	00:00:00	00:00:00	00:00:00	00:02:00	00:00:00
Mixed mode	2	2	2	2	2
Mixing time	00:00:15	00:04:00	00:01:00	00:02:00	00:00:15
Pause or not	no	no	no	no	no
Magnetization time	00:00:30	00:00:30	00:00:30	00:01:00	00:00:00
Volume	900	600	900	70	900
Temperature	--	50 $^{\circ}$ C	--	60 $^{\circ}$ C	--