

A⁺CheQ

Viral Pathogen Nucleic Acid Isolation kit



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A+CheQ Viral Pathogen Nucleic Acid Isolation kit



Intended Use

- A+CheQ Viral/Pathogen Nucleic Acid Isolation kit provides a complete set of reagents and consumables for the automated purification of viral and bacterial nucleic acids from cell-rich samples and biological specimens such as blood, specimen collected from cotton swabs, urine and virus transport medium (VTM). The kit is a gene extraction reagent that separates and purifies ribonucleic acid (RNA) and deoxyribonucleic acid (DNA) with KingFisher™ Flex Purification System. The product is intended to be used by professional users, such as technicians and physicians who are trained in molecular biology techniques.

Components

Components	Details
Tip comb/plate set	1 SET
W2 plate	96 well plate (1 ea)
S plate	96 well plate (1 ea)
W3 plate	96 well plate (1 ea)
W1 plate	96 well plate (1 ea)
E plate	96 well plate (1 ea)



Precaution

- This product is a nucleic acid extraction reagent for in vitro diagnostics and should be used by professional users, such as technicians and physicians who are trained in molecular biology techniques.
- This product is a product that is installed and used in a nucleic acid extraction machine KingFisher™ Flex Purification System - Thermo Fisher Scientific Inc. (Cat. no. N07669), and automatically proceeds until the end of extraction after setting.
- This product is a disposable in vitro diagnostic medical device, and reuse is prohibited.
- Inspect product components for damage.
- Do not use products with damaged plates. If the sealing paper is damaged the performance may deteriorate.

Workflow

Sample preparation and storage method

- Prepare 200 µL of a sample collected from the human body at room temperature.
- The entire inspection process is conducted at room temperature (20~25°C).
- After removing the sealing of the sample plate, check if there are bubbles and remove the bubbles prior to dispensing.
- Check if the equipment to be installed is a nucleic acid extraction device is KingFisher™ Flex Purification System - Thermo Fisher Scientific Inc. (Cat. no. N07669)

Extraction Process

- Take out the plate from the product box.
 - Remove the sealing tape from the sample plate.
 - Add 200 µL of samples to each well of the sample plate. For whole blood, the recommended sample volume is up to 200 µL.
 - Check if the tip comb/plate set is properly connected. if separated, combine Tip comb and Tip comb plate
 - Turn on the power of the equipment and run the corresponding program for the reagent.
 - Mount the plates as follows in the order of instruction on the equipment screen.
- * Following the order shown on the equipment screen, mount the plate into the equipment plate position of A1 is toward the center of the extraction device, and press the "▶Start" button.

<Mount Process>

- | | |
|--|---|
| ① Mount Tip Comb/ Plate set ▶ Start button | ② Mount the Elution Plate ▶ Start button |
| ③ Mount Washing 3 Plate in ▶ Start button | ④ Mount Washing2 Plate in ▶ Start button |
| ⑤ Mount Washing1 Plate in ▶ Start button | ⑥ Mount the Sample plate and press ▶ Start button |

- When instrument operation is finished, take out the elution plate. The extracted nucleic acid can be used immediately. For long-term storage, cover the plate with a lid or transfer to another tube and store at -20°C*Follow the A+CheQ Viral,pathogen Nucleic Extractoin Kit Tutorial clip for reference Please refer to "A+CheQ Viral,pathogen Nucleic Extractoin Kit Tutorial" for detailed instruction

- Storage and Shelf Life : 12month in Room Temperature
- Product Info : Product Classification No. [I0320.01(1)]
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