

Instructions for Virus Collection and Preservation system

Product name

- Virus Collection and Preservation system

Intended Use

- Collection, preservation and transportation of human nasopharyngeal or oropharyngeal virus samples.

Description

• The system is mainly composed of storage tube, preservation medium, glass bead and swabs. The medium is based on Hank's balanced salt solution. The system has a stable osmotic pressure, which provides a appropriate transport and storage environment for swab samples. It can maintain virus samples under prescribed conditions for routine nucleic acid extraction, genetic testing and PCR testing, etc.

Specification

- Medium: Non-inactivated or Inactivated
- Package: 25 pcs/box or 50pcs/bag

Main components

Item	Description
Swab	1pcs Nasopharyngeal swab or(and) 1pcs oropharyngeal swab
Tube	Tube size: 16mm×100mm or 13mm×84mm
Medium(Non-inactivated)	Appearance: Purple red or clear pink liquid Volume: 3.5ml or customized volume
Medium(Inactivated)	Appearance: Colorless transparent liquid Volume: 1ml or customized volume
Glass bead	2pcs, $\varnothing 3\text{mm} \pm 0.2\text{mm}$

Sampling procedures

1. Peel the pack and use a swab for sampling in the nose or throat according to different sampling requirements.
 - Nasopharyngeal swab: Gently insert the swab head into the nasal condyle of the nasal passage, stay for a while and then slowly screw the swab to turn it out.
 - Oropharyngeal swab: Gently wipe the bilateral pharyngeal tonsils and posterior pharyngeal wall with the swab.
2. Insert swab into the storage tube and immerse the swab head into the medium.
3. Break shaft gently from the breakpoint, discard the tail and tighten the tube cap.
4. Mark the relevant sample information on the label of the storage tube.
5. Freshly collected clinical specimens should be delivered to the laboratory within 72 hours at 2°C~8°C .
6. Nucleic acid extraction/detection:
 - For the Non-inactivated type, before extracting and detecting nucleic acids, the virus inactivation and lysis must be performed with referring to the relevant standard steps of nucleic acid extraction or the instruction manual of the extraction reagent to perform.
 - For the inactivated type, normal virus inactivation and lysis can still be performed as required. And as the

inactivated samples contain free viral nucleic acid, so the nucleic acid extraction and detection operations can be directly done with referring to relevant standard steps of nucleic acid extraction or the instruction manual of extraction reagents.

Storage

- Suggested Temperature: 4°C~25°C
- Period of validity: 18 months
- Please refer to the outer case for the manufacture date and expiration date.

Transportation

- Samples collected with nasopharyngeal or oropharyngeal swabs should be transported at 2°C-8°C and submitted for test as soon as possible.
- After sampling, transport and storage time for specimen should be no longer than 72h.

Sample deterioration

- If the collected sampling medium turns yellow or turbid, discard it and re-sample with a new piece of kit.

Limitations

- Contamination during sampling process will affect the final results.
- Sample storage at inappropriate temperature will affect the final results.

Attention

- This product is for in vitro diagnostic use only.
- Do not use if it is out of date or damaged.
- Do not use if the medium turns yellow or leaked out.
- This product is intended for using by trained laboratory personnel only.
- Gloves, masks and gowns should be worn for personal security while using the product.
- All biologically hazardous specimens and devices should be handled in accordance with relevant regulations and procedures, and discarded in designated medical waste collection containers as required.
- This product is only used for storage after sample collection and in vitro transportation. It is only for one-time use and does not have a cultivation function.