



**WANTAI Throat swab preservation solution** (Lot:20200201; Expiry 02/02/2021)

Volume: 800 $\mu$ L/each

Intended use: Intended for the handling and preservation of throat swab specimens.

Test principle: This product is applicable for specimens collected with nasopharyngeal and oropharyngeal swabs. Specimens are dissolved in the preservation solution vial and follow-up testing is conducted or the vials are stored for future testing. This product contains proteinase and suitable concentrations of saline ions. It can effectively inhibit the activity of DNase/RNase in the specimen, which contributes to the stable storage of nucleic acid and it also does not affect the extraction purification and amplification of the nucleic acid.

Main composition:

Name	Main composition	Specifications
Throat swab preservation solution	Proteinase and suitable concentrations of saline ion solution	800 $\mu$ L/each

Storage conditions and shelf-life: Store at 2~8 C. Shelf-life is 12 months.

Testing methods:

**Sampling:**

Nasopharyngeal swab: Use a microbial swab to collect specimens in the nasal area. Softly rotate and push the swab, insert the head of the microbial swab deep into the nasopharynx at the root of the nasal cavity, rotate a few times to obtain an abundant specimen.

Oropharyngeal swab: Use a microbial swab to wipe the posterior pharyngeal wall and tonsil on both sides with moderate force. Avoid touching the tongue.

Swab handling: Insert the microbial swab head containing the specimen into the throat swab preservation solution and cut the head of the swab with scissors to let it submerge into the preservation solution. Then seal with the cap and mix by shaking to let the specimen dissolve in the solution as much as possible. After this, store the mixed specimen at 4-8°C for short term storage up to 72 hours and under -15° C for long term storage.

If there are lumps in the preservation solution after sampling, it is necessary to let it rest and precipitate and then absorb the supernatant for follow-up detection experiments.



**Considerations:**

1. This product is only used for handling and storing specimens intended for PCR testing. Please carefully read the Instructions for Use (IFU) before using.
2. Clinical labs should prepare the equipment in strict accordance to “The working standards of clinical gene amplification laboratories” and strictly follow the IFU to conduct operations. Operators should undergo training and be able to go on duty after qualification.
3. Swabs used for sampling must be special purpose microbial swabs (avoid using common swabs). The swab head should be of medical grade artificial fiber.
4. This product is limited to the handling and storing of specified nasopharyngeal and oropharyngeal specimens. Store at 4-8°C for short term storage up to 72 hours and under -15° C for long term storage of the inactivated specimen.
5. Inappropriate sampling, transport, storing and handling procedures can all affect the release and storing effectiveness of the specimen.
6. After-use specimens and disposables are all deemed as potential sources of infection, these need to be disposed after inactivation. After testing, use disinfectant and 75% ethanol to clean the workbench and then irradiate with UV light to prevent lab contamination. All the procedures and operations must meet the standards of the ministry of health such as the relevant regulatory mandates of “The general guidelines for biosafety in microbiological biomedical laboratories” and “The regulations for the management of medical waste”.



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