

# Disposable Virus Sampling Tube

**Product Name**

Disposable Virus Sampling Tube

**Model No.**

ST07

**Packing Components**

Cat No.	Volume of Tube	Volume of Preservation Solution	Package Size	Specification of 1 Set
ST07-5	10 ml	3 ml	50 sets/box	1 tube & 5 swabs
ST07-10	10 ml	6 ml	50 sets/box	1 tube & 10 swabs

**Intended Use**

ST07 is used for the mixing collection, transportation and storage of virus specimens.

**Storage Conditions and Shelf Life**

Stored at 5 ~ 25°C, with a validity period of 24 months.

**Description**

Disposable Virus Sampling Tube ST07 is inactivation type collection tubes for collect virus specimens, such as pharyngeal swab, nasal swab which may contains flu virus, SARS-CoV-2, etc. ST07-5 and ST07-10 are used for mixing collection of 5 specimens and 10 specimens respectively. The preservation solution in the tube can protect the viral nucleic acid from degradation for one week at room temperature (15 ~ 25°C). The preservation solution has the function of cell lysis and is compatible with all kinds of lysis buffers in the virus DNA/RNA extraction kits. In the subsequent nucleic acid extraction process, less or no lysate be added can increase the sample dosage, so that more nucleic acids can be obtained and the detection results can be more accurate. At the same time, the preservation solution does not contain surfactant, so it is not easy to produce foam, and the sampling is more convenient to avoid cross-contamination during large-scale sample processing.

**Method of Use**

1. Take out the collection swab and collect the specimen;
2. Place the tip of swab into the tube;
3. Snap/cut off the stick of the swab, and leave the tip in the tube;
4. Tighten the tube cap;
5. Collect the remaining 4 or 9 swabs in sequence according to the above method. Put the completed swabs into the same collection tube, and the action should be gentle to avoid aerosol generation. After collecting 5 or 10 swabs in a row, tighten tube cover to prevent spillage.

If there are less than 5 or 10 swabs in the collection tube, a special mark should be made and recorded.

6. DNA/RNA extraction: do the extraction process as the instruction of the extraction kit you used, and the lysis buffer can be reduced as follows:














Proportion of Specimen	Specimen (with preservation solution) / $\mu$ l	Lysis Buffer / $\mu$ l
28.6%	200	500
50%	350	350

The higher the proportion of specimen, the more nucleic acids are extracted.

**Notes**

1. If the collected specimen is liquid, the maximum volume should not exceed 30% of the preservation solution. For example, 1 ml of preservation solution can be filled with samples of less than 300  $\mu$ l.
2. Professionals should strictly follow the sampling procedure to avoid affecting the accuracy of the results.
3. The sampling tubes with specimens can be transported at RT, but it's suggested to be transported to the laboratory within 48 hours under the condition of 2-8°C. Samples can be tested within 24 hours can be stored at 4°C. Samples that cannot be tested within 24 hours should be stored at -70°C or below (if there is no storage condition of -70°C, the samples should be stored temporarily in the refrigerator at -20°C).
4. Do not use the product when the package is damaged.
5. The preservation solution is a transparent and clear liquid. Do not use it when turbidity occurs.
6. Specimens should be tested in laboratories meeting safety standards.

**[Explanation of Marks]**

	The product is used in vitro, please don't swallow it		Please don't reuse it
	Validity		Please read the instruction book carefully before using
	Warning, please refer to the instructions in the annex		Manufacturer
	Temperature scope within which the product is reserved		Batch number
	European union authorization representative		Keep dry
	Avoid overexposure to the sun		Don't use the product when the package is damaged
	The product meets the basic requirements of European in vitro diagnostic medical devices directive 98/79/EC		

**[Basic Information]**

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