

# Saliva Collector

## Product Introduction

This product collects saliva or sputum samples through a sampling funnel and puts them in the sample preservation solution of the saliva collector. It is harmless to human body and the collection process is easy to accept without discomfort. This product contains the basic components of Hanks Balanced Salt Solution, and adds protein stabilizing components and antibacterial components to provide a stable osmotic pressure environment for the preservation and transportation of saliva samples, which can preserve the nucleic acid of saliva samples without degradation. The collected samples are suitable for follow-up experiments.

## Product Features



- **Easy to operate**

The collection process is simple and fast.

- **Widely uses**

Can be widely used in hospitals, scientific research institutions of saliva sample collection and transportation.

- **Multiple selections**

The collected samples can be used for nucleic acid extraction and virus isolation and culture at the same time for subsequent experimental operations.

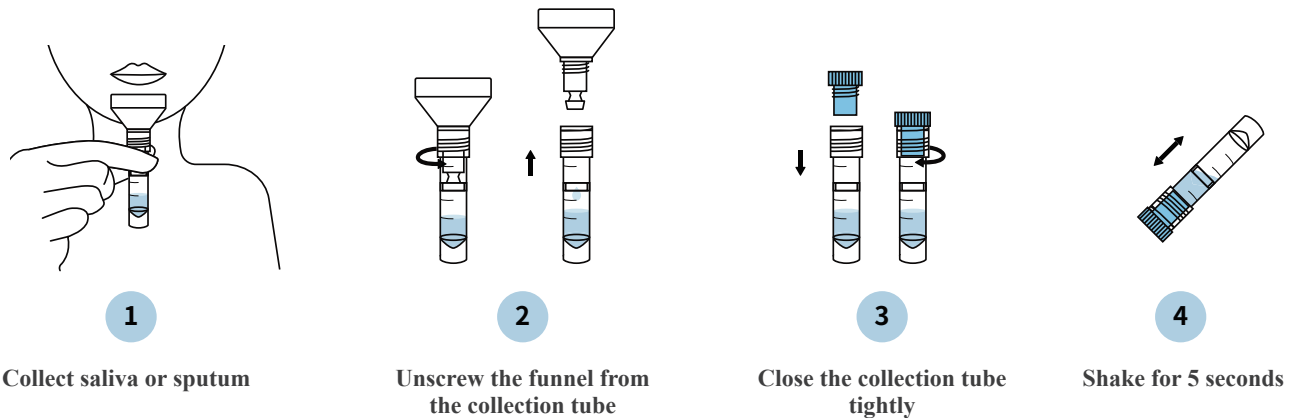
- **Medical material**

The collector selects imported medical grade material, no heat source

## Product Information

Sample type	Saliva/Sputum
Storage condition	Keep away from light at 2~25°C
Sample storage and transport condition	≤8°C

## Operation Steps



## Application case

The lentivirus containing SARS-CoV-2 gene was diluted with negative saliva to a  $10^5$  copy/mL positive saliva sample, then added into the Saliva Collector (BSC92) and stored at  $-80^{\circ}\text{C}$  and  $4^{\circ}\text{C}$  for 35 days. After nucleic acid extraction, PCR detection was performed to determine the nucleic acid stability of SARS-CoV-2 ORF1ab gene (FAM channel) and human  $\beta$ -Globin internal reference gene (CY5 channel) at different storage time and temperature according to the detected CT value. The results are as follows:

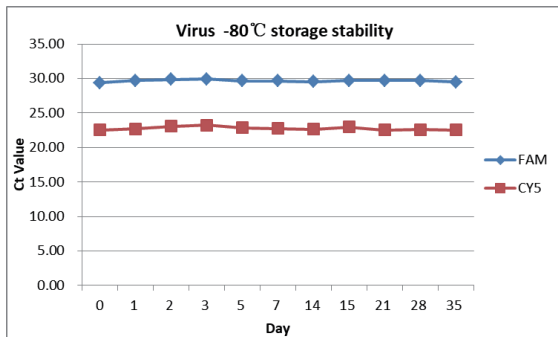


Figure 1 Virus -80°C storage stability

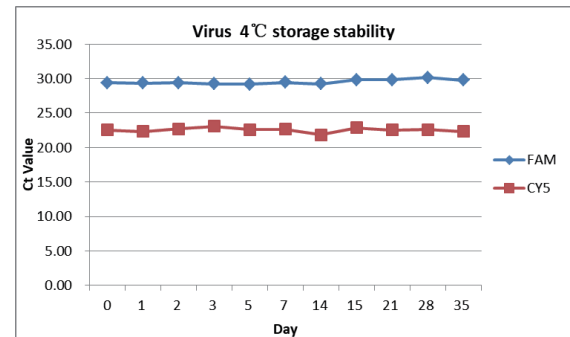


Figure 2 Virus 4°C storage stability

※ **Conclusion:** The nucleic acids in the samples were stored at  $-80^{\circ}\text{C}$  and  $4^{\circ}\text{C}$ , and there was no significant difference in the CT values of the FAM channel and the CY5 channel detected at different time periods, indicating that the saliva collector could stably preserve the nucleic acids in the samples for one month without degradation.

## Ordering Information

Product Name	Cat#	Package
Saliva collector	BSC92X1-B	2mL/Tube



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