Sample Release Reagent

Cat.No.:HYB511

Product Description

Hyasen develops Sample Release Reagent for molecular POCT diagnostic scenarios. For the two systems of direct amplification LAMP and direct amplification PCR, there is no need for nucleic acid extraction. The crude lysate of the sample can be directly amplified, the target gene can be accurately detected, the sample detection time can be further shortened, which perfectly matches the application requirements of molecular POCT. It is suitable for nasal swabs, throat swabs and other sample types. The processed samples can be directly used for real-time fluorescence quantitative PCR or LAMP detection, and the same results as conventional extraction methods can be achieved without complicated nucleic acid extraction operations.

Components

Components	Size-1	Size-2	Size-3
Sample Release Reagent	8 mL	100 mL	1000 mL

Storage

This product should be transported and stored at 2-8℃.

Instructions

1. Take 800μl of Sample Release Reagent into a 1.5 mL sampling tube for later use;
2. Use a swab to collect nasal or pharyngeal swabs;

1) Nasal swab: Take out a sterile swab and put it into the nostril, slowly push it to a depth of about 1.5 cm, gently rotate it 4 times along the nasal mucosa, and stay for more than 15 seconds, then use the same swab to repeat the same operation on the other nasal cavity.
2) Pharyngeal swab: Take out a sterile swab and gently and quickly wipe the bilateral pharyngeal tonsils and posterior pharyngeal wall 3 times.

3. Place the swab immediately after collecting the sample in the sampling tube. The swab should be rotated and mixed in the preservation solution for at least 30 seconds to ensure that the sample is fully eluted in the sampling tube.

4. Incubate at room temperature (20 ~ 25℃) for 1 min to complete the lysis preparation.
5. Both 25μl system LAMP and RT-LAMP are compatible with 10μL template addition for detection experiments.

Notes

1. The minimum amount of Sample Release Reagent for a single swab can be adjusted to 400μl, which can be adjusted according to the test requirements.
2. After the sample is processed with Sample Release Reagent, it is recommended to conduct the next test as soon as possible, and the interval time should not exceed 1h.