

HPV Retention Card

Cat. No. : CW3081S (1 sheet/set)

Shipping and Storage : Transported and stored at room temperature (15-30°C), the DNA in the samples can be preserved for up to several years after sampling.

Components

Component	CW3081S
HPV Retention Card	1 sheet/set

Introduction

Through unique formula and technology, HPV retention card can effectively inactivate potentially infectious bacteria, fungi, viruses and other microorganisms, avoiding the risk of pollution by operators and ensuring the safety of long-distance transportation. Effectively cleave the cells and release DNA in the sample, protect the sample DNA from nuclease degradation, and use color to indicate the existence of the sample in the preservation card. After cervical brush sampling, you only need to transfer the sample to the holding card to store DNA, which is convenient for screening personnel to sample and save the sample. There is no need to use reagents that will affect the accuracy and sensitivity of PCR detection, and the preserved samples can be directly used for downstream nucleic acid molecular detection without nucleic acid separation and extraction steps.

Product characteristics

1. Convenient preservation and cost saving: after cervical brush sampling, you only need to transfer the sample to the holding card to store DNA.
2. High safety: inactivate pathogenic microorganisms or viruses in samples, avoid pollution to operators.
3. One sampling can be used many times: one sample can be used for multiple target DNA detection, and can be used many times, which is convenient for re-examination and reexamination.

Protocol

(Matching sampling with CW3170S, direct spread spectrum extraction, matching with CW2504S and automatic extraction by HollySys 32-channel extractor)

Matching sampling with CW3170S

1. Collect samples with a sampling brush.
2. Repeatedly apply the collection brush adsorbed with HPV samples to the HPV retention card.
3. Place the sample retention card at room temperature until completely dry. Note that the drying process can not be heated. Finally, put the retention card with HPV sample in the sample collection bag and keep it sealed.

Direct Amplification Procedure

1. Remove the DNA sample retention card from the dry bag.
2. Use punching pliers to punch a hole and take out a piece of 6 mm card.
3. Add 500 μ L of RNase-free water to a 2 mL centrifuge tube, gently invert 5 times, and discard all.
4. Add 100 μ L of RNase-free water, and set the parameters on the constant temperature oscillator to 95°C, 1200 rpm, and 10 min.
5. Take out the eluent and store it at -20°C.

Application range

The HPV retention card enables self-sampling HPV testing, which allows the subject to take samples at home, and then send the samples to the laboratory for inspection. The utility model has the advantages of being not limited by time and region and easy to operate.

HPV retention card has a wide range of applications, such as DNA collection, storage and transportation, medical identification and clinical diagnosis. HPV retention card can be used for DNA extraction and PCR operation of database samples for forensic medicine and paternity testing, and a simple and easy-to-operate automatic DNA extraction procedure is established by using automatic DNA extraction instruments. In addition, HPV retention card can also be used for crime scene DNA extraction, wild collection of animal DNA samples and so on. Medical identification and clinical diagnosis: it can be used for the detection of some diseases caused by bacteria or viruses, as well as genetic disease analysis and tumor detection.