

Sample Capture Standard Card (Elution)

Cat. No. : CW2663S (20 sheets)
CW2663M (100 sheets)

Storage Condition: Storage at room temperature (15-30°C), the DNA in the sample can be stored for up to several years.

Components

Component	CW2663S 20 sheets	CW2663M 100 sheets
Sample Capture Standard Card (Elution)	20 sheets	100 sheets

Introduction

The Sample Capture Standard Card (Elution) is a new type medium for storing DNA with plant fiber as carrier, and DNA can be eluted directly with water. It is specially designed for collection, transportation and storage of samples at room temperature. Through the unique formula and production process, the product has the functions of protein denaturation, cell membrane rupture, DNA adsorption and fixation and inhibition of bacterial growth, so as to ensure that the DNA is stored on the card for many years without reducing the PCR efficiency. And because of the protein denaturation, the pathogenic microorganisms or viruses in the biological samples lose activity, avoiding the risk of pollution by operators. At the same time, it also ensures the safety of long-distance transportation.

Product characteristics

1. No extraction required: DNA can be eluted directly with water.
2. Convenient storage and cost savings: DNA samples can be transported and stored at room temperature for a long time, without refrigeration, significantly reduce the cost of transporting and preserving DNA.
3. High safety: Inactivate pathogenic microorganisms or viruses in the sample to avoid contamination of the operator.
4. Multiple uses of one sample: A sample can be used for multiple target DNA tests and can be used multiple times, easy to review, recheck.

Protocol

1. The sample is absorbed into the sampling ring of the sample capture standard card, and the sampling information is recorded.
2. After sampling, the sample capture standard card can store the DNA in the sample for a long time, and DNA can also be obtained by elution.
 - (1) Sample capture standard cards after sampling (more than 2 h after sampling) are cut down to about 1cm² and placed in a 1.5 mL pointed-bottom centrifuge tube with 500 μ L of RNase-Free water. Vortex for 10 s, centrifuge at 5000 rpm for 30 s, discard the solution and repeat once.
 - (2) In the above centrifuge tube, add 100 μ L of RNase-Free water, and place it at 95°C for 10-30 min after heating, the solution can be used as a template for subsequent PCR experiments.

Intended Use

DNA sample capture standard card has a wide range of applications, such as DNA collection, storage and transportation, medical identification and clinical diagnosis.

1. DNA collection, storage and transportation
 - 1.1 DNA sample capture standard card can be used for forensic science and paternity testing with the library sample DNA extraction and PCR experiments, and through the use of automated DNA extraction instruments, the establishment of a simple, easy to operate automated DNA extraction program.
 - 1.2 Especially for high-risk groups of blood sampling process, can significantly reduce the test on the amount of blood samples required, while the infectious bacteria or viruses for inactivation, to avoid contamination of the operator, to strengthen the protection of blood collection personnel.
 - 1.3 In addition, DNA sample capture standard card can also be used for crime scene DNA extraction, field collection of animal DNA samples.
2. Medical identification and clinical diagnosis
 - 2.1 It can be used for the detection of some diseases caused by bacteria or viruses, as well as for the analysis of genetic diseases and the detection of tumors.
 - 2.2 For areas with poor medical conditions, where the patient's blood samples can not be tested in time, the blood samples can be stored on the blood sample collection card and then transported or mailed to the unit with complete testing equipment for testing.
 - 2.3 For infectious biological samples, the process of storing them on the blood sample collection card will be inactivated, so the safety is high.

This product is for scientific research only, which shall not be used for clinical diagnosis or other purposes.