

Blood Capture Card

Cat. No. : CW2662S (20 sheets)

CW2662M (100 sheets)

Storage Condition: Transport and store at room temperature, the DNA in the blood can be preserved for more than ten years after sampling.

Components

Component	CW2662S	CW2662M
	20 sheets	100 sheets
Blood Capture Card	20 sheets	100 sheets

Introduction

The Blood Capture Card is a new medium for storing DNA based on plant fiber. It can combine DNA on the card and is specially designed for the collection, transportation and storage of blood 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 target DNA can be stored on the card for many years, and because of protein denaturation, the pathogenic microorganisms or viruses in the biological samples lose their activity, avoiding the risk of pollution by operators, and ensuring the safety of long-distance transportation.

The Blood Capture Card is divided into sample area, information area and labeling area. There are 4 sampling rings in the sample area and each sampling ring can collect 75-80 μ L of whole blood.



Product characteristics

1. 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.
2. High DNA integrity: High quality DNA samples can be extracted using extraction kits.
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 Blood Capture Card (75 ~ 80 μ L whole blood can be collected in each sampling ring), and the sampling information is recorded.
2. The Blood Capture Card can store the DNA in the blood for a long time, and can also extract nucleic acid. After sampling (more than 2 hours after sampling), the Blood Capture Card is used to extract nucleic acid, it is recommended to use the CW2504S Magbead Blood Spots DNA Kit for extraction.

Application range

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

DNA collection, storage and transportation: Blood capture 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. Especially for high-risk groups of blood sampling process, it 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. In addition, blood capture card can also be used for crime scene DNA extraction, field collection of animal DNA samples.

Medical identification and clinical diagnosis: 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. 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. For infectious biological samples, the process of storing them on the blood sample collection card will be inactivated, so the safety is high.