

# Cell-Free DNA Storage Tube (5 ml)

**Cat.No.:** CW2814S (5 tubes)

CW2814M (50 tubes)

**Storage conditions:** Unused products can be stored at 2-35°C for 12 months and can be transported at 2-40°C for a short period (no more than 7 days). After blood samples are collected, free DNA can be stably preserved at 6-37°C for up to 14 days.

## Product content

	CW2814S	CW2814M
Component	5 tubes	50 tubes
Cell-Free DNA Storage		
Tube (5 ml)	5	50

## Product introduction

The Cell-Free DNA storage tube can be directly used for blood sample collection and transportation, and stabilize the cell-free DNA in it. It is composed of EDTA anticoagulant and special protective agent, which can effectively inhibit the nuclease in plasma and avoid the release of genomic DNA in nucleated cells in blood fluid. The product is suitable for non-invasive prenatal screening associated with the early diagnosis of a number of diseases research.

After blood samples are collected by using Cell-Free DNA storage tube, free DNA can be stably stored at 6-37°C for up to 14 days, which provides great convenience for the transportation and storage of blood samples.

Free DNA can be extracted from blood samples in the free DNA storage tube according to most commercial kits, and the extracted free DNA can be used for downstream detection and analysis. The product can also be used for the preservation of genomic DNA in blood nucleated cells.

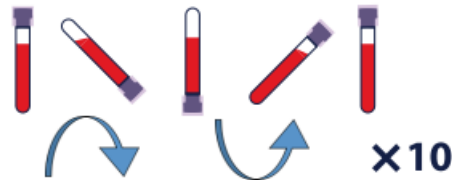
## Cautions

1. This product is PET tube, fragile, pay attention to take certain protection measures during operation and transportation.
2. This product is suitable for storing 5 ml of blood and requires soft needle to collect blood. Too much or too little blood collection can lead to bad results when the blood/protective agent ratio, not up to the optimal performance of the product.

3. Discontinue use of the product if precipitate or insoluble substance is found before use. Please contact Kang Wei century after sales get a consultation.
4. Because the protective agent in the product contains chemical composition, it is important to avoid blood backflow when drawing blood.

### Operating steps

1. Soft needle is used for routine blood drawing, and medical instruments such as blood collecting needle should conform to relevant national standards.
2. Free DNA samples were stored in a tube and blood collection needle was used to collect blood samples to the 5 mL marker line.
3. After removing the blood collection needle, the free DNA sample preservation tube should be gently upside-down for 10 times (as shown below) immediately and filled Mix blood sample and protective agent. Inadequate mixing or too intense mixing may affect the protection effect.



4. After collecting blood samples, transport or store them according to the above storage conditions and precautions.

### Cell-Free DNA extraction method

1. Plasma separation: Centrifuge the free DNA sample in a storage tube of 1,500×g for 10 min, carefully absorb the upper plasma into a new centrifuge tube, and be careful not to absorb the leukocytes in the middle layer. Centrifuge the plasma at 15,000 x g for another 10 minutes, transfer the plasma to a new centrifuge tube.
2. Free DNA extraction: Free DNA can be extracted from separated plasma using commercially available kits. (Cat.No.:CW2603) or KingFisher FREE DNA Extraction Kit (Cat.No.:CW2512) is recommended.

**This product is for scientific research use, do not use for clinical diagnosis and other purposes.**