

# Cell-Free DNA Storage Tube (10 mL)

**Cat. No. :** CW3174M (50 tubes)

**Storage Conditions :** Unused products can be stored at 2-35°C for 12 months and shipped at 2-40°C for up to 7 days. After collecting blood samples, cf-DNA can be stored at 6-37°C for up to 14 days.

## Components

Component	CW3174M 50 tubes
Cell-Free DNA Storage Tube (10 mL)	50×10 mL

## Principle

The cell-free DNA storage tube can be directly used for blood collection and transportation, and stabilize the cell-free DNA in it. The storage solution is composed of EDTA anticoagulant and special protective agent, which can effectively inhibit the nuclease in plasma and prevent cells from releasing genomic DNA. This product is suitable for NIPT and early diagnosis.

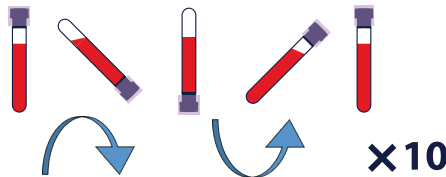
Cf-DNA can be extracted from blood samples in cf-DNA storage tubes, and the extracted cf-DNA can be used for downstream detection and analysis. At the same time, the product can also be used for the preservation of genomic DNA in blood nucleated cells.

## Precautions

1. This product is a glass tube, which is fragile. Take protective measures during operation and transportation.
2. This product is suitable for storing 10 mL of blood and requires a soft needle for blood collection. Too much or too little blood will result in an inappropriate blood/protectant ratio and less than optimal performance of the product.
3. If the product is found to have precipitates or insolubles before use, stop using the product. Please contact after-sales for consultation.
4. Because the protective agent in the product contains chemical ingredients, it is necessary to avoid blood backflow when drawing blood.

## Procedure

1. Use a lancet to collect blood.
2. Collect blood samples to the 10 mL line using cell-free DNA storage tubes.
3. After removing the lancet, immediately invert the cell-free DNA storage tube 10 times to thoroughly mix the blood sample and protectant (as shown).



4. After blood samples are collected, transport or store according to storage conditions.

## Cf -DNA extraction

1. Separation of plasma: Centrifuge the cell-free DNA storage tube at 1,500×g for 10 minutes, transfer the upper plasma to a new centrifuge tube, and be careful not to aspirate the white blood cells in the middle layer. Plasma was centrifuged at 15,000 ×g for 10 min and transferred to a new centrifuge tube.
2. Cell-free DNA extraction: The isolated plasma can be extracted using cell-free DNA extraction kits (Cat. No.: CW2603, CW2512).