



Blood RNA Storage Tube (PET, 5mL)

Product Number: EK0504

Shipping and Storage

Room temperature (15-30°C).

Component

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Blood RNA Storage Tube (PET, 5mL)	50T

Description

RNA molecular diagnosis is a branch of molecular diagnosis in in vitro diagnostic technology (IVD). Compared with DNA molecular diagnosis, RNA molecular diagnosis has the advantages of high specificity, sensitivity, accuracy, speed, pollution-free, and good clinical conformity. In recent years, with technological progress, RNA molecular diagnosis technology has attracted much attention. When collecting blood samples, the gene expression profile can undergo significant changes within a few minutes. Anticoagulants such as EDTA can prevent blood clotting, but cannot prevent RNA in the blood from being rapidly degraded by RNases. Therefore, when studying gene expression using blood samples, it is necessary to extract RNA from nucleated cells in fresh blood in a timely manner.

This product can stably store RNA in blood at room temperature (15-30°C) for at least 7 days without degradation, and at 4°C for 14 days. Collecting blood samples is simple and convenient, and can be widely used in hospitals, research institutes, and third-party testing institutions for the collection and preservation of blood samples.

Features

1. Easy to save. Blood samples can be collected directly at room temperature to protect the RNA in the sample from degradation.
2. Negative pressure sampling. Vacuum treatment is applied to the storage tube, and the entire sampling process does not come into contact with blood samples, ensuring safety and speed.
3. Extraction is simple. The blood stored in the preservation tube can be matched with various downstream RNA extraction methods, such as Trizol method, centrifugal column method, magnetic bead automated extraction, etc.

Protocol

1. Check that the liquid in the preservation tube is 3mL. Use standard venipuncture technique to collect blood into EDTA-K2 anticoagulant vacuum collection tube. Negative pressure inside the preservation tube will automatically transfer 1.5mL of blood to the blood RNA preservation tube, reaching the 4.5mL mark.
2. Immediately gently and slowly invert 10-30 times.
3. After collecting blood samples, handle the needles properly, mix and store for 20-30 minutes, and then perform RNA extraction.

Note

1. This product's 3mL blood RNA preservation solution is suitable for storing 1.5mL of blood. Excessive or insufficient blood collection can result in an inappropriate blood/protective agent ratio, which cannot achieve the optimal performance of the product.
2. Before using the product, check whether the packaging is damaged and whether the storage tube cover is worn.
3. The collected blood samples can be stored at room temperature for 7 days, at 4°C for 14 days, and at lower temperatures, the storage time can be further extended. Due to differences in the composition of individual blood samples, the specific shelf life of different samples may fluctuate.



Tinzyme Co., Limited

Email: sales@tinzyme.com

Website: www.tinzyme.com

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

4. Please open the lid and perform downstream extraction work on a clean bench or in a well ventilated area.