



YALEPIC® DNA/RNA storage tube (PQ)

From Collection to Analysis —
Preserve Precision in Every Sample

Downstream Applications:

- Disease association studies.
- Early detection research for various diseases.
- Biomarker discovery and validation.

Introduction:

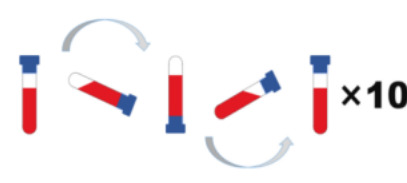
YALEPIC® DNA/RNA storage tube (PQ) is an advanced collection system that stabilizes DNA and RNA in blood samples, enabling ambient temperature transport after collection. The specialized preservative instantly lyses whole blood cells and stabilizes RNA without requiring RBC lysis or Proteinase K, preventing coagulation and effectively inhibiting RNase activity to safeguard RNA integrity. Blood preserved with this product is compatible with various downstream RNA extraction methods, such as precipitation, spin column purification, and automated extraction platforms, with typical RNA yields of approximately 8-15 µg per milliliter of blood. Ideal for stabilizing and isolating total RNA from whole blood for reliable gene expression profiles analysis.

Features:

- ◆ **Extended Stability:** Stabilize transcription profiles for up to 3 days at 18-25°C, up to 5 days at 2-8°C, and for over 2 years at -80°C.
- ◆ **Flexible Extraction Options:** Compatible with commercially available total plasma nucleic acid isolation kits, including Trizol, spin column, and automated magnetic bead protocols.
- ◆ **Broad Application:** Isolated RNA is suitable for downstream applications, including ddPCR, next generation sequencing, real-time RT-PCR, and cDNA synthesis.

Procedure:

1. Use a soft needle for standard blood collection, ensuring compliance with relevant medical standards.
2. Collect 2.5 ml blood into the preservation tube.
3. After removing the needle, gently invert the tube 10 times (as shown in the figure) to thoroughly mix the blood with the preservative. Avoid insufficient or excessive mixing to ensure preservation efficacy.
4. Transport or store the sample according to the specified storage conditions and guidelines.



Product ordering information:

Product	Catalog#	Product Specs.
YALEPIC® Blood DNA/RNA Storage Tube(PQ)	YS21010-PQ	50-tube box (10 ml)