

【Product Name】 Tissue RNA Preserve Tube

【Product specifications】 100 x 1.5 ml/Tube, 100 x 5.0 ml/Tube

【Intended Use】

For collection of harvested tissues with immediate stabilization of total RNA and subsequent transport and storage.

【Principle】

Tissue RNA Preserve Tube is a novel technology for immediate preservation of the gene expression pattern in tissues, enabling reliable gene expression analysis. After harvesting, tissues are immediately submerged in Tissue RNA Preserve Tube, which rapidly permeates the tissues to stabilize and protect cellular RNA in situ. Store the tissue submerged in tube for up to 4 weeks at 2–8°C, up to 7 days at 15–25°C, or up to 1 day at 37°C, –30 to –15°C or –90 to –65°C for longer storage.

【Main Composition】

| Cat.No. | P8010 | P8011 |
|--------------------------|---|--|
| Tissue RNA Preserve Tube | 100 x 1.5 ml | 100 x 5 ml |
| Package | 2.0ml screw-top tubes 1.5ml RNASafer Regaent | 5.0ml screw-top tubes 5 ml RNASafer Regaent |
| Tissue Usage | 150 mg tissues each tube | 500 mg tissues each tube |

【Storage conditions and Validity】

Tissue RNA Preserve Tubes should be stored dry at room temperature (15–25°C) and are stable for at least 12 months under these conditions. It may form precipitation at low temperatures. Incubating at 37°C to redissolve and shake well before use.

【Protocol】

- Excise the tissue sample from the animal and, if necessary, cut it into slices less than 0.5 cm thick. Perform this step as quickly as possible and proceed immediately to step 2.** For effective RNA stabilization, the tissue sample must be less than 0.5 cm thick.
- Completely submerge the tissue piece(s) in the collection vessel containing RNASafer Tissue Reagent.** The tissue sample must be immediately submerged in RNASafer Tissue Reagent to protect the RNA. 150mt Tissue samples for 2ml Tubes (P8010) and 500mg for 5ml Tubes(P8011).
- Store the tissue submerged in tube for up to 4 weeks at 2–8°C, up to 7 days at 15–25°C, or up to 1 day at 37°C, –30 to –15°C or –90 to –65°C for longer storage.**
 For archival storage at –30 to –15°C, first incubate the tissue overnight in the reagent at 2–8°C. Then transfer the tissue, in the reagent, to –30 to –15°C, or –90 to –65°C for storage. Tissues stored in RNASafer Tissue Reagent at –30 to –15°C may not freeze. The low temperature may cause the formation of crystals or a precipitate in the reagent. This will not affect subsequent RNA purification. There is no need to redissolve the precipitate. RNASafer stabilized tissues stored at –30 to –15°C or –90 to –65°C can be thawed at room temperature and frozen again for up to 20 freeze–thaw cycles without affecting RNA quality or yield. If transporting tissue samples in RNASafer Tissue Reagent, ensure that the tissues always remain submerged in the reagent. Either keep the tubes upright during transport or fill the tubes completely with RNASafer Tissue Reagent.
- After storage, purify RNA using a Magen kit.** Be sure to remove tissues from RNASafer Tissue Reagent prior to disruption and homogenization in the RNA purification procedure. If tissues were stored at –30 to –15°C, remove any crystals that may have formed.