【Product Name】 DNASafer Tissue DNA 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 DNA and subsequent transport and storage.

【Principle】

DNASafer Tissue DNA 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 DNASafer Tissue DNA Tube, which rapidly permeates the tissues to stabilize and protect cellular DNA in situ. Store the tissue submerged in tube for up to 12 weeks at 2–8°C, up to 4 weeks at 15–25°C, or one week at 37°C, −30 to −15°C or −90 to −65°C for longer storage.

【Main Composition】

Cat.No.	P8020	P8021
DNASafer Tissue DNA Tubes	100 x 1.5 ml	100 x 5 ml
Package	2.0ml screw-top tubes 1.5ml DNASafer Regaent	5.0ml screw-top tubes 5 ml DNASafer Regaent
Tissue Usage	150 mg tissues each tube	500 mg tissues each tube

【Storage conditions and Validity】

DNASafer Tissue DNA Tubes should be stored dry at room temperature (15–25°C) and are stable for at least 12 months under these conditions, if not otherwise stated on the label. Storage of DNASafer Tissue Reagent at lower temperatures may cause precipitation. Before using the reagent, redissolve the precipitate by heating to 37°C with agitation.

【Protocol】

1. **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 DNA stabilization, the tissue sample must be less than 0.5 cm thick.

2. **Completely submerge the tissue piece(s) in the collection vessel containing DNASafer Tissue Reagent.** The tissue sample must be immediately submerged in DNASafer Tissue Reagent to protect the RNA. 150mt Tissue samples for 2ml Tubes (P8010) and 500mg for 5ml Tubes(P8011).

3. **Store the tissue submerged in tube for up to 12 weeks at 2–8°C, up to 4 weeks at 15–25°C, or up to 1 weeks 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 DNASafer 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.DNASafer 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 DNASafer 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 DNASafer Tissue Reagent.

4. **After storage, purify DNA using a Magen kit.** Be sure to remove tissues fromDNASafer 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.