



RNA^{save} Solution

Cat No	Pack size
RS0100	100 ml
RS0500	500 ml

Note

- Use RNA^{save} with **fresh tissue only**.
- Cut large tissue samples to ≤ 0.5 cm in any single dimension.
- Place the fresh tissue in 5–10 volumes of RNA^{save} reagent.
- Do not freeze samples in RNA^{save} immediately before immersion in RNA^{save} reagent. Remove supernatant, then move to lower temperature for long-term storage.
- Most samples in RNA^{save} reagent can be stored at room temperature for 1 week without compromising RNA quality, or at $-20^{\circ}\text{C} \sim -80^{\circ}\text{C}$ for long-term storage.

Description

RNA^{save} is an aqueous tissue storage reagent that provides for preserving and protecting RNA of samples from degradation. This preservation neither stand at ultra-low temperature nor disrupt tissue during storage.

Samples can simply be submerged in RNA^{save} reagent and stored for analysis at a later date.

Storage

Store at either room temperature or refrigerated.

If any precipitation is seen, warm it at 37°C to dissolve it.

Protocol

Kind of samples	Pretreatment	RNA ^{save} Solution (Immerse at $\text{RT}-4^{\circ}\text{C}$)
Plant tissue	Plant tissues have natural barriers such as wax coating on leaves. It must be disrupt before using RNA ^{save} reagent.	Place the fresh tissue in 5-10 volumes of RNA ^{save} Solution. Do not freeze samples in RNA ^{save} Solution immediately before immersion in RNA ^{save} . Solution must cover specimens. Store at the desired temperature.
Animal tissue	Cut large tissue samples to ≤ 0.5 cm in any single dimension.	
Tissue culture cells	Remove medium completely and wash with 1XPBS buffer. Resuspend the cells in a small volume of PBS	Add 5-10 volumes of RNA ^{save} Solution, and mix well. Do not freeze samples in RNA ^{save} Solution immediately before immersion in RNA ^{save} . Store at the desired temperature.
White blood cells (WBC)	Separate WBC from the red blood cells. It will make WBC can be effectively preserved in RNA ^{save} reagent. RNA ^{save} is not recommended for preserving RNA in whole blood, plasma, or sera. Because of their high protein content, that will form an insoluble precipitate if they are mixed with RNA ^{save} .	
Bacteria	Remove medium completely	Resuspend cells with 5-10 volumes of RNA ^{save} Solution, and mix well. Do not freeze samples in RNA ^{save} Solution immediately before immersion in RNA ^{save} . Store at the desired temperature. <i>E. coli</i> stored in RNA ^{save} for 1 month at 4°C are intact and yield undegraded RNA.

ZymesetBiotek

Address: 4F, No. 72-3 Lane 296 Sec 6 Min-Chung East Rd. 114 Taipei (Taiwan)

phone (886) 2 26347345 Fax: (886) 2 26347346 email: max@zymeset.com