

## RNAlater Protect Solution (TBS6036)

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Catalog	Unit Size
TBS6036-100	100 mL
TBS6036-500	500 mL

### DESCRIPTION

RNAlater is an aqueous, non-toxic tissue storage reagent that rapidly permeates tissue to stabilize and protect cellular RNA in situ in unfrozen specimens. Tissue pieces are harvested and immediately submerged in RNAlater for storage without jeopardizing the quality or quantity of RNA. RNAlater eliminates the need to immediately process tissue specimens or to freeze samples in liquid nitrogen for later processing. RNAlater preserves RNA in tissues for up to 1 day at 37 °C, 1 week at 25 °C, and 1 month at 4 °C. Tissues can also be stored at -20 °C long-term.

### APPLICATION

RNAlater can be used for mRNA and total RNA isolation, and downstream applications.

### FEATURES

- No compromise in RNA quality following mRNA or total RNA isolation
- Rapidly permeates tissues to stabilize and protect cellular RNA
- Aqueous non-toxic solution allows downstream tissue processing
- Stabilizes samples at room temperature

### PROCEDURES

RNAlater is easy to use. Simply cut tissue samples to be stored so they are less than 0.5 cm in at least one dimension and submerge in 5 volumes of RNAlater. Small organs, such as rat kidney, liver or spleen can be stored in whole in RNAlater. When ready to isolate the RNA, remove the tissue from RNAlater and process as though just harvested. For cell storage, resuspend pelleted cells in a small amount of PBS before adding 5-10 volumes of RNAlater. Before preparing RNA, pellet cells and discard supernatant.

**Research use only.**