



N100

Store at room temperature

Safety information

Slightly hazardous (irritant, sensitizer) in case of skin and/or eye contact, always wear gloves and safety glasses.

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Description:

RNA*Sound*[™] Tissue RNA Preservation Reagent is a colorless chemical solution that quickly permeates small tissue chunks and neutralize cellular endogenous RNase activities to preserve tissue RNA integrity for long term storage.

RNA*Sound*[™] Tissue RNA Preservation Reagent stabilizes tissue RNA for up to one week at room temperature, or 1 month at 4 °C, or even longer at -20 °C or -80 °C.

Protocols:

➤ Animal Tissues:

- Cut the fresh (non frozen) tissue to 0.5x0.5x0.5 cm cubes
- Immerse tissue cubes in 5x volume of RNA*Sound*[™] Tissue RNA Preservation Reagent
- Store the tissue sample at appropriate temperature until RNA extraction
- Recover the tissue cubes using forceps, squeeze away RNA*Sound*[™] Tissue RNA Preservation Reagent with tissue paper
- Homogenize tissue samples in lysis buffer of selected RNA extraction method

Protocols (cont.):

➤ Tissue Culture Cells:

❖ Suspension Cells

- Pellet, wash, and pellet cells with PBS
- Immerse cell pellets in 5x volume of RNA*Sound*[™] Tissue RNA Preservation Reagent
- Store the cell samples at appropriate temperature until RNA extraction
- Dilute down the Preservation solution with an equal volume of cold PBS, centrifuge at ~2000 x g to pellet and recover cell samples.
- Homogenize cell samples in lysis buffer of selected RNA extraction method

Protocols (cont.):

➤ Tissue Culture Cells (cont.):

❖ Adherent Cells

- Wash cells with PBS and decant
- Cover culture vessel bottom with RNA*Sound*[™] Tissue RNA Preservation Reagent
- Store the culture vessel at appropriate temperature until RNA extraction
- Aspirate RNA*Sound*[™] Tissue RNA Preservation Reagent
- Wash cells with PBS and decant
- Lyse cells with lysis buffer of selected RNA extraction method

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Protocols (cont.):

➤ White Blood Cells:

- Treat as suspension culture cells

➤ Bacteria:

- Treat as suspension culture cells

➤ Plant Tissues:

- Treat as animal tissues
- Cut or tear leaves to small pieces to break up the wax coating