USER GUIDE

RNAfter

Cat. RF0100
Qty. 100 ml

Content and Storage

RNAfter
Cat.. RF0100
Store at RT

Contents
Cat. RF0100
RNAfter ……100 ml

Store at RT, if precipitates form, warm at 37℃ to redissolve.

Description

RNAfter is a non-toxic reagent for storage of various animal or plant tissues, culture cells and bacteria for RNA purification without using liquid nitrogen or -70°C freezer. The sample can be stored in RNAfter reagent for a day at 37°C, 1 week at RT, one month at 4°C and indefinitely at -20°C. The purified RNA quality is as high as stored in liquid nitrogen.

ARROWTEC

Standard Protocol

Animal tissue: weight the tissue samples, cut the tissue samples into small pieces each with < 0.5 cm thick, add the dissected tissues into the tube with 5 volumes of RNAfter solution. (e.g., 1 g tissue need 5 ml of RNAfter)

Plant tissue: weight the sample, cut the tissue into small pieces and add the sample into the tube with 5 volumes of RNAfter.

Culture cells: Spin down the cells, wash the cells with PBS buffer, resuspend the cells in PBS buffer, add 5 volumes of RNAfter.

White blood cell: Separate white blood cells from whole blood, wash with PBS buffer, resuspend the cells in PBS buffer, add 5 volumes of RNAfter.
Do not use whole blood for storage, which will precipitate the RNAfter.

Bacteria: Spin down the cells, wash the cells with TE buffer, resuspend the cells in TE buffer, add 5 volumes of RNAfter.

Sample Storage:
After submersing in RNAfter, the sample can be stored for a day at 37°C, 1 week at RT, one month at 4°C and indefinitely at -20°C. Sample can be thawed and frozen many times without affecting the RNA quality. It may form crystal in lower temperature, but it will not affect the RNA purification.

Standard Protocol (continued)

RNA Purification from samples in RNAfter:
Tissue: remove the RNAfter solution or use forceps to take out the tissue from solution, add RNA extraction lysis solution(e.g., Azol RNA purification reagent,Cat : Azol.200) , proceed to standard protocols.

Cells: Spin down the cell at 5000 x g for 3 min, remove the RNafter, add RNA extraction lysis solution (e.g., Azol RNA purification reagent,Cat : Azol.200), proceed to standards protocols.