

Pathogenic Microorganism DNA/RNA Storage Tube

Cat. No. : CW3157M (50 tubes)

Storage Condition: Store at room temperature (15-25°C). After placing the sample, it can be placed in different temperatures according to the storage time required, see the table in the protocol.

Components

Component	CW3157M 50 tubes
Pathogenic Microorganism DNA/RNA Storage Tube	2 mL

Introduction

This product can directly store large volume pathogenic samples or tissue samples of specific parts, such as bronchoalveolar lavage, tissue homogenate, cerebral spinal fluid, pus and pleural effusion, etc. This product can store the samples at room temperature for 1 week, and maintain the integrity of the nucleic acids. It is a more versatile and multi-functional nucleic acid samples preservation solution, the preserved samples can be used for various molecular biology experiments after nucleic acid extraction and purification.

Product Features

1. Transport samples at room temperature without the use of liquid nitrogen or dry ice, reducing refrigeration costs.
2. After using this product, DNA/RNA can be kept non-degradable for up to 7 days, providing convenience for transportation and storage.
3. The product is sterile and has no host background.
4. It can inhibit the growth of various viruses or bacteria and kill various infectious factors, for safe transportation of samples.

Precautions

1. If there is any precipitate in the sample preservation solution, please put it at 37°C and use it after the precipitate is dissolved.
2. Pathogen samples in liquid form should be inverted and mixed immediately. When preserving tissue samples, cut the tissue so that the thickness of either side of the tissue sample is less than 0.5 cm, and then put the tissue pieces into the sample storage tubes.
3. The product can store samples at room temperature for up to 1 week. But in view of individual differences of samples, the specific preservation period of different samples varies.

Protocol

For different types of samples, the dosage of preservation solution is recommended as follows:

1. Large-volume pathogen samples such as bronchoalveolar lavage

The recommended volume ratio of storage solution to sample is 1:1-1:4. Mix the sample with the storage solution, and then turn up and down 10 times to mix well. The sample volume can be adjusted according to the nucleic acid extraction volume requirement.

2. Tissue samples of specific parts

- 2.1 The sample is cut into pieces with a thickness of less than 0.5 cm as fast as possible.
- 2.2 Place the tissue pieces in a sample storage tube.
- 2.3 Store the storage tubes under appropriate conditions for no longer than the maximum storage time at that temperature (storage times are shown in the Table 1).

Table 1. Relationship between common storage temperature and its longest storage time

Temperature	Storage time
37°C	2 days (the sample stored for 3 days has partial degradation of RNA)
18-25°C	1 week (the sample stored for 2 weeks has slight degradation of RNA)
2-8°C	1 month
-20°C and -80°C	Long-term preservation

This product is for scientific research only, which shall not be used for clinical diagnosis or other purposes.