

1.5M D- trehalose solution (sterilized)

Item No. : G8572

Specification: 1mL

Store: 2-8 ° C

Validity: 1 year

Product Description:

This product is an aqueous solution with concentration of 1.5M Trehalose (D-(+)-Trehalose dihydrate), which can be directly added to PCR reaction system or reverse transcription reaction to improve the thermal stability and activity of enzyme. It has the following characteristics:

- 1、 The addition of trehalose to the reaction system can increase the stability and activity of heat-sensitive enzymes at high temperatures.
- 2、 Trehalose can increase the thermal stability and thermal activation characteristics of Reverse transcriptase of murine leukemia virus, so that it still has full activity at 60°C, enough to synthesize full-length cDNA before the mRNA secondary structure induced termination reaction, and the reaction efficiency is greatly improved.
- 3、 It is helpful to improve the activity of dry preserved enzyme.

Product parameters:

English name: D-(+)-Trehalose dihydrate solution (D-trehalose solution)

Concentration: 1.5M

CAS: 6138-23-4

Formula: $C_{12}H_{22}O_{11} \cdot 2H_2O$

Molecular weight: 378.33

Appearance (character) : liquid

Note:

1. This product is for scientific research only. Do not use for medicine, clinical diagnosis or therapy, food or cosmetics. Do not store in ordinary residential areas.
2. For your safety and health, please wear a lab coat and wear disposable gloves and a mask.

Related products:

G8570 *D-trehalose*

ST8420 *D-trehalose standard*