

5M Betaine solution (sterilized)

Cat: B8232

Size: 10mL

Storage: -20°C

Expiry Date: 1 year

Introduction:

- Betaine is an alkaloid with a chemical structure similar to amino acids and belongs to quaternary ammonium base substances. In the PCR reaction system, betaine can prevent the activity of Taq enzyme from decreasing during the process of high-temperature denaturation.
- This product is an aqueous solution with a concentration of 5M betaine, which can be directly added to the PCR reaction or sequencing reaction to improve amplification or sequencing efficiency. Its detailed uses include:
 1. Reduce the possibility of secondary structure formation of GC-rich templates, and facilitate PCR amplification and sequencing of GC-rich templates;
 2. Reduce the base dependence of denaturation temperature;
 3. Improve the amplification efficiency of LA-PCR;
 4. Improve the stability of Taq DNA polymerase.

Product Data:

English name: Betaine solution

Concentration: 5M

CAS: 107-43-7

Molecular formula: $C_5H_{11}NO_2$

Mw: 117.15

Appearance (character): liquid

Notes:

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

Related Products:

B8230 Betaine

B8231 Betaine

SB8160 Betaine standard substance