

Betaine Enhancer Solution (5 M)

(Molecular Biology Grade)

Ordering info

TBR0105, Betaine Enhancer Solution (5 M), 1.5 mL

TBR0106, Betaine Enhancer Solution (5 M), 5x1.5 mL

Description

Betaine Enhancer Solution (5 M) is an effective solution to use as PCR enhancer. It reduces the DNA melting temperature allowing the amplification on high GC sequences and templates with secondary structures difficult to amplify. The addition of betaine at a final concentration of 0.8-1.6M improves the amplification of DNA.

Features

- Sterile.
- Colorless solution.
- Better performance than standard PCR enhancers (DMSO, formamide, BSA, non-ionic detergents).
- Equalize the contribution of GC- and AT-base pairing to the stability of the DNA duplex, reducing T_m .

Applications

- PCR and RT-PCR optimization.
- Increase of PCR yield and specificity.
- High GC template PCR amplification.

Storage

Store at 2-8°C.

Quality Control

- Appearance: Colorless solution.
- DNase/ RNase activity not detected.
- Functionally tested.

Also available:

STOUT™ Recombinant Taq DNA polymerase Kit
(TBK0023, TBK0024)

WARM™ HotStart Taq DNA polymerase Kit
(TBK0036, TBK0037)