



DONGSHENG BIOTECH

DNTP'S SET 100MM (4X0.25ML) Molecular Biology Grade



Description

dNTP Mixes are aqueous solutions at pH 7.0 containing dATP, dCTP, dGTP and dTTP, each at a final concentration of either 2.5 mM or 10 mM. dNTP mixes are ready-to-use solutions designed to save time and to provide higher reproducibility in PCR and other applications. The Mix offers the possibility to reduce the number of pipetting steps and the risk of reaction set up errors.

Application

For use in all molecular biology applications, including PCR, long PCR, real-time PCR, high fidelity PCR, RT-PCR, cDNA synthesis, primer extension and DNA labeling.

Quality Control

- . Functionally tested in PCR with Taq and Pfu DNA Polymerases.
- Greater than 99% purity of each component confirmed by HPLC.
- Free of endodeoxyribonuclease, exodeoxyribonuclease, ribonuclease.

Store at -20°C



DONGSHENG BIOTECH

dNTP Mix Stability Test/Correlation Test of dNTP Mix Concentration on PCR Efficiency

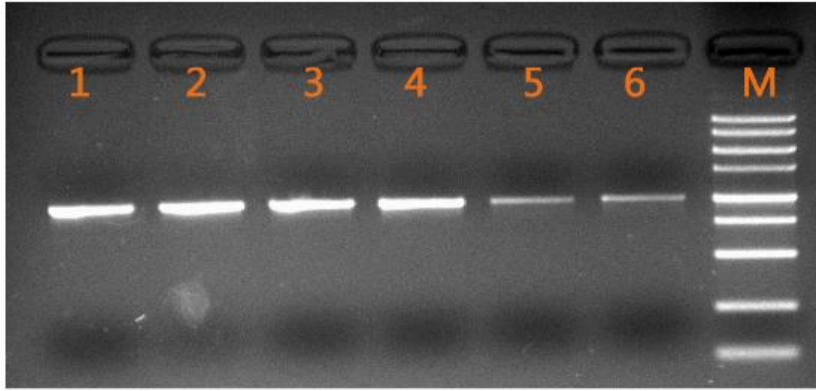


Figure 1

dNTP stability at 37°C for 3 days

1-2: dNTP Mix, store at 4°C , final Conc. 0.2mM

3-4: dNTP Mix, store at 37°C , final Conc. 0.2mM

5-6: dNTP Mix, store at 4°C , final Conc. 0.4mM

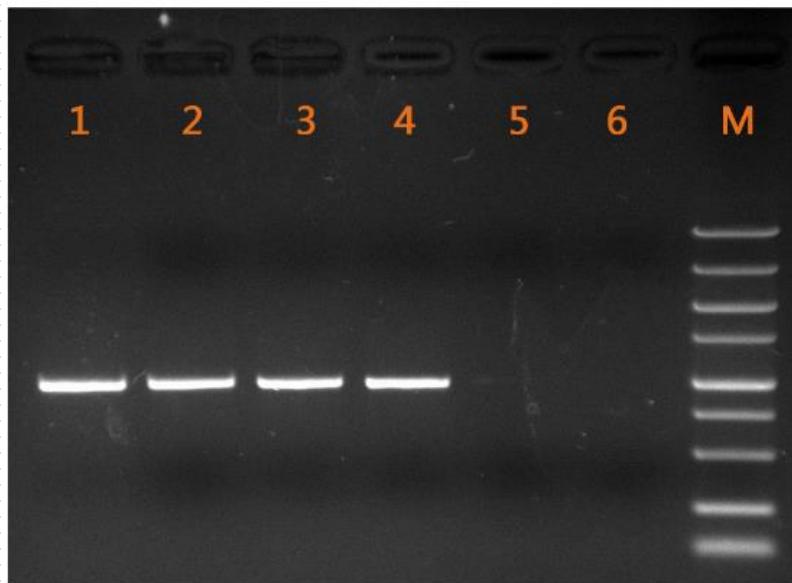


Figure 2

dNTP stability at 37°C for 7 days

1-2: dNTP Mix, store at 4°C , final Conc. 0.2mM

3-4: dNTP Mix, store at 37°C , final Conc. 0.2mM

5-6: dNTP Mix, store at 4°C , final Conc. 0.6mM