



10mM dNTP Mix

Cat. No 95062-01K Size: 1000 μ L (10 pmol each dATP, dCTP, dGTP, dTTP)

Store at -25°C to -15°C

Description

The 10 mM dNTP Mix is a solution of high purity deoxyribonucleoside triphosphates that has been functionally qualified for real-time quantitative PCR (qPCR). It is suitable for use in conventional end-point PCR, real-time qPCR, first-strand cDNA synthesis, as well as other applications that require dNTP as substrate.

We have found that dNTP quality and purity can directly affect dynamic range, sensitivity and precision of qPCR assays. Surprisingly, dNTP preparations that fail our qPCR functional testing are often >99% triphosphate purity by HPLC analysis and function perfectly well in conventional end-point PCR assays, including amplification of long (up to 20 kb) templates. The use of qPCR certified dNTPs is a simple but important measure to ensure consistent assay performance.

Storage and Stability

Store components in a constant temperature freezer at -25°C to -15°C upon receipt.

Repeated freezing and thawing of the reaction mix is not recommended.

For lot specific expiry date, refer to package label, Certificate of Analysis or Product Specification Form.

Components

10 mM dATP, 10 mM dCTP, 10 mM dGTP, and 10 mM dTTP

Quality control

10 mM dNTP mix is functionally tested in real-time PCR for amplification of a single copy gene from human genomic DNA and is free of detectable RNase or DNase. Each deoxyribonucleoside triphosphate is > 99% pure by HPLC analysis.

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