

2.5 mM dNTP Mixture

■ Introductions

2.5 mM dNTP (2'-deoxyribonucleoside 5'-triphosphate) Mixture is an equimolar premixed aqueous solution containing four nucleotides (dATP, dCTP, dGTP, dTTP), and the concentration of each nucleotide is 2.5 mM. This product is suitable for a variety of PCR, including standard PCR, long-distance PCR, quantitative real-time PCR, high-fidelity PCR, LAMP-PCR and so on. It is also suitable for various conventional molecular biology experiments such as cDNA synthesis, RT-PCR, sequence filling, MDA (Multiple displacement amplification), DNA labeling, DNA sequencing, gap translation, TdT tailing reaction, etc.

2.5 mM dNTP is an aqueous solution that uses NaOH to neutralize and titrate to pH 7.0. This dNTP solution does not contain DNase, RNase, phosphatase, and protease, so it can be directly used for PCR, reverse transcription, and one-step reverse transcription PCR experiments.

■ Components and Storage

The product can be stored stably at -20°C for several years, and it can be kept stable even after repeated freezing and thawing.

■ Protocols

2.5 mM dNTP can be used directly without dilution; the product can be dissolved at room temperature. After dissolution, it should be stored in an ice box or on an ice bath. After use, it should be stored at -20°C immediately.



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