

## Product Description

These products are high-purity single-component dUTP/dATP/dTTP/dCTP/dGTP, each at a concentration of 100 mM, which can be used for PCR, real-time PCR, RT-PCR, primer extension reaction, DNA sequencing, DNA labeling and other conventional reactions used in molecular biology.

## Components

Component	Catalog	Size
dUTP (100 mM)	P033-01	1 ml
dATP (100 mM)	P034-01	1 ml
dTTP (100 mM)	P035-01	1 ml
dCTP (100 mM)	P036-01	1 ml
dGTP (100 mM)	P037-01	1 ml

▲ The above components are all sodium salt aqueous solutions, pH 7.0 - 9.0.

## Storage

Store at -30 to -15°C and transport at ≤0°C.

## Applications

This product is applicable to conventional molecular biology reaction, such as PCR, real-time PCR, RT-PCR, primer extension reaction, DNA sequencing, DNA labeling, etc.

## Notes

When dUTP is used in a PCR reaction, the concentration of dUTP is usually 1 - 3 times of dTTP. To obtain good amplification results, the concentration of MgCl<sub>2</sub> should also be increased.

## Quality Control

Functional test: Usable for conventional PCR and reverse transcription PCR.

## Usage

Different concentration of dNTPs can be combined as required, or they can be added separately for amplification reaction.

The recommended amount of P033-01/P034-01/P035-01/P036-01/P037-01 to be used in 50 µl standard PCR reaction system is 0.1 µl.

The recommended amount of P033-01/P034-01/P035-01/P036-01/P037-01 to be used in 20 µl standard reverse transcription PCR reaction system is 0.1 µl.

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