

Product Description

dUTP/dATP/dTTP/dCTP/dGTP are high-purity single component products. The concentration of products was 100 mM (100 mmol/L). It is applicable for PCR, real-time PCR, RT-PCR, cDNA or common DNA synthesis, primer extension reaction, DNA sequencing, DNA labeling and other conventional molecular biology reactions.

Components

Components	Catalog Number	Unit 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 sodium salt solution, pH 7.0 - 9.0.

Storage

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

Applications

It is applicable for PCR, real-time PCR, RT-PCR, cDNA or common DNA synthesis, primer extension reaction, DNA sequencing, DNA labeling and other conventional molecular biology reactions.

Notes

For research use only. Not for use in diagnostic procedures.

When dUTP is used in PCR, its concentration is recommended to be 1 - 3 times that of dTTP. In addition, the concentration of MgCl₂ can be increased appropriately to obtain good amplification results.

Experiment Process

Different concentrations of dNTPs can be combined or prepared separately according to the requirements of the amplification reaction.

For 50 µl standard PCR system, the recommended amount of P033-01/P034-01/P035-01/P036-01/P037-01 is 0.1 µl.

For 20 µl standard RT system, the recommended amount of P033-01/P034-01/P035-01/P036-01/P037-01 is 0.1 µl.