

dITP (100mM)

D745313

Store at -20°C

Introduction:

dITP, 2'-deoxy-inosine-5'-triphosphate, can be used in PCR, real-time PCR, RT-PCR, cDNA synthesis, as well as primer extension and SNP genotyping with Taq DNA polymerase.

dITP can be used in PCR with DNA polymerase, but it is generally not used in PCR with proofreading DNA polymerase.

dITP cannot replace dGTP completely in PCR mix. Otherwise, DNA amplification will be inhibited significantly. It is recommended to replace 10% dGTP by dITP in PCR mix.

The molecular formula of dITP is $C_{10}H_{12}N_4O_{13}P_3Na_3$ with a molecular weight of 558.11 (492.1 in acid form).

This dITP solution is prepared with ultrapure water to a concentration of 100mM. The pH is titrated to 7.0 with high-purity NaOH solution. This product is free of DNase, RNase, phosphatase and protease, and can be directly used for different molecular biology applications.

Matters needing attention:

1. This product can be thawed at room temperature. Keep it on ice for use and store at -20°C immediately after use.
2. This product is for R&D only. Not for drug, household, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves during the operation.