

## UltraPure dGTP, 100mM

**U759851**

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Store at -20°C

### Introduction:

dNTP (Deoxy-ribonucleoside triphosphate) includes dATP (deoxyadenosine triphosphate), dCTP (deoxycytidine triphosphate), dGTP (deoxyguanosine triphosphate), dTTP (deoxythymidine triphosphate), and dUTP (deoxyuridine triphosphate). Among them, dATP, dCTP, dGTP and dTTP are indispensable in the PCR reaction as raw materials. DNA polymerase synthesizes a new DNA strand complementary to the DNA template strand by adding dNTPs that are complementary to the template in 5' to 3' direction, and thus the quality and concentration of dNTP are closely related to the amplification efficiency. This series of products are prepared with ultrapure water, with a pH of approximately 7.0. The concentration of the single-component solutions is 100mM.

This product adopts higher purification processing technology and is suitable for various conventional molecular biology reactions such as PCR, real-time PCR, RT-PCR, cDNA synthesis, primer extension reaction, isothermal amplification, DNA sequencing, DNA labeling, etc. It is also suitable for high standard quasi molecular biology reactions such as multiplex PCR, digital PCR, trace detection, etc.

### 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 research use only, not for drug, clinical diagnosis, food, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves during the operation.