

dNTP Mix, PCR grade 10mM

Premix of 10mM dATP, dCTP, dGTP, dTTP

Ultrapure

Purity (HPLC area)

dNTP $\geq 99.0\%$

dNDP $\leq 0.9\%$

dNMP $\leq 0.5\%$

Description

dNTP Mix, PCR grade, 10mM is an equimolar mixture of 10mM dATP, dCTP, dGTP and dTTP supplied as ultrapure aqueous solution and suitable for all molecular biology applications including PCR, qPCR, reverse transcription, DNA labeling and DNA sequencing.

Appearance

Clear colorless solution

pH at 4°C

pH 8.5 ± 0.1

Application for PCR

50 μ L PCR Assay

dNTP Mix (10 mM each)	0.5 μ L	1.0 μL	2.5 μ L
final dNTP concentration	100 μ M	200 μM	500 μ M

For standard PCR applications, a final concentration of 200 μ M each dNTP is recommended.

Quality Control

Bacterial or Human DNA contamination	Not detectable
DNases, RNases, Nicking activity	Not detectable
Proteases	Not detectable