

100 mM dNTP Set

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Catalog Number	Size	Concentration
DN001-0250	4 x 250 µl	100 mM

Storage Conditions

Stable for up to 2 years at -20°C.

Description

100 mM dNTP (2'-deoxynucleoside 5'-triphosphate) Set consists of all four deoxynucleotides (dATP, dCTP, dGTP, dTTP), each at a concentration of 100 mM. The deoxynucleotides are suitable for use in polymerase chain reaction (PCR), sequencing, fill-in, nick translation, cDNA synthesis, and TdT tailing reactions. The product is supplied as ready-to-use solutions.

The 100 mM dNTP Set includes 100 mM each of dATP, dCTP, dGTP, and dTTP. Each vial contains 250 µl of 25 µmol dNTP in purified water (pH 7.5).

Kit Content(s)

dATP	250 µl x 1 vial
dCTP	250 µl x 1 vial
dGTP	250 µl x 1 vial
dTTP	250 µl x 1 vial

Volumes and Concentrations

20 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume
0.2 mM	0.04 µl
0.5 mM	0.1 µl
1.0 mM	0.2 µl
1.5 mM	0.3 µl

25 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume
0.2 mM	0.05 µl
0.5 mM	0.125 µl
1.0 mM	0.25 µl
1.5 mM	0.375 µl



50 μ l Final Reaction Volume

Final dNTP Conc	dNTP Volume
0.2 mM	0.1 μ l
0.5 mM	0.25 μ l
1.0 mM	0.5 μ l
1.5 mM	0.75 μ l