

25 mM dNTP Mix, PCR Grade

Cat No. DN100-1000

Size: 1ml

Store at -20°C

Description

25 mM dNTP (2'-deoxynucleoside 5'-triphosphate) Mix consists of a solution of all four nucleotides (dATP, dCTP, dGTP, dTTP), each at a concentration of 25 mM. It is neutralized to pH 8.0 with NaOH, and supplied in purified water. 25 mM dNTP Mix is suitable for use in polymerase chain reaction (PCR), sequencing, fill-in, nick translation, cDNA synthesis, and TdT-tailing reactions.

Volumes and Concentrations

20 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	0.16 µl	6250
0.5 mM	0.4 µl	2500
1.0 mM	0.8 µl	1250
1.5 mM	1.2 µl	830

25 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	0.2 µl	5000
0.5 mM	0.5 µl	2000
1.0 mM	1 µl	1000
1.5 mM	1.5 µl	660

50 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	0.4 µl	2500
0.5 mM	1 µl	1000
1.0 mM	2 µl	500
1.5 mM	3 µl	330

Volumes and Concentrations, continued

100 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	0.8 µl	1250
0.5 mM	2 µl	500
1.0 mM	4 µl	250
1.5 mM	6 µl	160

Quality Control

25 mM dNTP Mix is tested functionally in a DNA polymerase reaction that requires all four deoxyribonucleotides.

Additional Products

Product:	Volume:	Catalog No.:
10 mM dNTP Mix	1 ml	DN0010
100 mM dNTP Set	4 x 250 µl	DN001025