

## 2.5 mM dNTP Mix, PCR Grade

Cat No. DN025-1000

Size: 1ml

Store at -20°C

### Description

2.5 mM dNTP (2'-deoxynucleoside 5'-triphosphate) Mix consists of a solution of all four nucleotides (dATP, dCTP, dGTP, dTTP), each at a concentration of 2.5 mM. It is neutralized to pH 8.0 with NaOH, and supplied in purified water. 2.5 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	1.6 µl	625
0.5 mM	4 µl	250
1.0 mM	8 µl	125
1.5 mM	12 µl	83

#### 25 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	2 µl	500
0.5 mM	5 µl	200
1.0 mM	10 µl	100
1.5 mM	15 µl	66

#### 50 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	4 µl	250
0.5 mM	10 µl	100
1.0 mM	20 µl	50
1.5 mM	30 µl	33

### Volumes and Concentrations, continued

#### 100 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Rxns per Kit
0.2 mM	8 µl	125
0.5 mM	20 µl	50
1.0 mM	40 µl	25
1.5 mM	60 µl	16

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### Quality Control

2.5 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