

# invitrogen

by *life* technologies™

## 2.5 mM dNTP Mix, PCR Grade

Cat. no.

R725-01

Size

1 mL

Store at  $-30^{\circ}\text{C}$  to  $-10^{\circ}\text{C}$

Pub. Part no. R72501.pps

MAN0001538

Rev. Date 6 Sep 2011

### 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 is 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 $\mu\text{L}$ Final Reaction Volume

Final dNTP Conc.	dNTP Volume	Rxns per Kit
0.2 mM	1.6 $\mu\text{L}$	625
0.5 mM	4 $\mu\text{L}$	250
1.0 mM	8 $\mu\text{L}$	125
1.5 mM	12 $\mu\text{L}$	83

#### 25 $\mu\text{L}$ Final Reaction Volume

Final dNTP Conc.	dNTP Volume	Rxns per Kit
0.2 mM	2 $\mu\text{L}$	500
0.5 mM	5 $\mu\text{L}$	200
1.0 mM	10 $\mu\text{L}$	100
1.5 mM	15 $\mu\text{L}$	66

#### 50 $\mu\text{L}$ Final Reaction Volume

Final dNTP Conc.	dNTP Volume	Rxns per Kit
0.2 mM	4 $\mu\text{L}$	250
0.5 mM	10 $\mu\text{L}$	100
1.0 mM	20 $\mu\text{L}$	50
1.5 mM	30 $\mu\text{L}$	33

**Intended Use:** For research use only.

Not intended for any animal or human therapeutic or diagnostic use.

## Volumes and Concentrations, continued

### 100 $\mu$ L Final Reaction Volume

Final dNTP Conc.	dNTP Volume	Rxns per Kit
0.2 mM	8 $\mu$ L	125
0.5 mM	20 $\mu$ L	50
1.0 mM	40 $\mu$ L	25
1.5 mM	60 $\mu$ L	16

### Additional Products

Product	Volume	Catalog no.
10 mM dNTP Mix	100 $\mu$ L	18427-013
10 mM dNTP Mix	1 mL	18427-088
100 mM dNTP Set	4 $\times$ 250 $\mu$ L	10297-018
100 mM dNTP Set	4 $\times$ 2.5 mL	10297-117

### Certificate of Analysis

The Certificate of Analysis (CofA) provides detailed quality control information for each product. The CofA is available on our website at [www.invitrogen.com/cofa](http://www.invitrogen.com/cofa), and it is searchable by product lot number, which is printed on each box.

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