

**dNTP's 100 mM Mix (25 mM of each dNTP)  
10 ml**

Cat No. 110254

**DATA-SHEET**

dNTP's are the building blocks for any DNA. Purity and stability of dNTP's are the essential factors for a successful PCR. All dNTP's supplied, are tested for the ability to synthesize amplicons of at least 10 kb in length. Supplied as dNTP's powder, and also as ready to use dNTP's mix. Also available is modified dUTP.

**dNTP's Mix 100 mM**

This ready to use dNTP's mix contains dATP, dCTP, dGTP and dTTP each, at a concentration of 100 mM in water (pH 7.5). Use 0.4µl of this mix for PCR amplification in 50µl reaction volume.

**CONTENTS OF THE PACK :**

dNTP's 100mM Mix (25 mM of each dNTP) 1 ml -- 10 vials

**NOTE: It is not advisable to Freeze thaw the dNTP's solution time & again. If it is to be used in several batches then it is advisable to prepare aliquots & store at -20 °C.**

**SPECIFICATIONS :** Supplied as 125 X in liquid form. Please add 0.4 µl of 100 mM dNTP's mix to 50µl PCR reaction volume.

**Storage Conditions :** Recommended storage temperature is -20 °C.

**Packing :** The above dNTP's mix is available in convenient small packs as well as large packs for bulk users.

**Pack size available :**

| Cat. No. | PRODUCT                                                                                | Pack Size |
|----------|----------------------------------------------------------------------------------------|-----------|
| 110241   | <b>dNTP mix 40 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM) | 500 µ l   |
| 110242   | <b>dNTP mix 40 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM) | 1ml       |
| 110243   | <b>dNTP mix 40 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM) | 1ml x 5   |
| 110244   | <b>dNTP mix 40 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM) | 1ml x 10  |

**dNTP's Mix 100 mM**

This ready to use dNTP's mix contains dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM in water (pH 7.5). Use 0.40 µl of this mix for PCR amplification in 50µl reaction volume.

| Cat. No. | PRODUCT                                                                                 | Pack Size |
|----------|-----------------------------------------------------------------------------------------|-----------|
| 110251   | <b>dNTP mix 100 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM) | 500 µ l   |
| 110252   | <b>dNTP mix 100 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM) | 1ml       |
| 110253   | <b>dNTP mix 100 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM) | 1ml x 5   |
| 110254   | <b>dNTP mix 100 mM:</b><br>(dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM) | 1ml x 10  |

**Manufactured and Marketed By :**



**GENOME DIAGNOSTICS PVT. LTD.,**  
(An ISO 13485:2003 & ISO 9001:2000 Certified Company)

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Version : P104/001

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### **INDIVIDUAL dNTP's solutions( 40 mM & 100 mM)**

| Cat. No. | PRODUCT    | Pack Size |
|----------|------------|-----------|
| 110261   | dATP 40mM  | 500 µ l   |
| 110262   | dATP 40mM  | 1ml       |
| 110263   | dATP 100mM | 500 µ l   |
| 110264   | dATP 100mM | 1ml       |
| 110265   | dCTP 40mM  | 500 µ l   |
| 110266   | dCTP 40mM  | 1ml       |
| 110267   | dCTP 100mM | 500 µ l   |
| 110268   | dCTP 100mM | 1ml       |
| 110269   | dGTP 40mM  | 500 µ l   |
| 110270   | dGTP 40mM  | 1ml       |
| 110271   | dGTP 100mM | 500 µ l   |
| 110272   | dGTP 100mM | 1ml       |
| 110273   | dTTP 40mM  | 500 µ l   |
| 110274   | dTTP 40mM  | 1ml       |
| 110275   | dTTP 100mM | 500 µ l   |
| 110276   | dTTP 100mM | 1ml       |

### **Set of 4 dNTP's (dATP, dGTP, dCTP, dTTP)**

| Cat. No. | PRODUCT                           | Pack Size   |
|----------|-----------------------------------|-------------|
| 110281   | dATP, dCTP, dGTP, dTTP 40mM each  | 200 µ l x 4 |
| 110282   | dATP, dCTP, dGTP, dTTP 40mM each  | 1ml x 4     |
| 110283   | dATP, dCTP, dGTP, dTTP 100mM each | 200 µ l x 4 |
| 110284   | dATP, dCTP, dGTP, dTTP 100mM each | 1ml x 4     |

### **dUTP**

dUTP may be used instead of dTTP in the PCR and RT-PCR protocols to prevent carryover from previous amplifications. The substitution of dUTP for dTTP in PCR results in uracil-containing PCR products that are suitable for most standard applications. The Enzyme Uracil-DNA glycosylase, UDG can be added to a PCR premix to excise uracil from any contaminating PCR product, thereby preventing false positives.

| Cat. No. | PRODUCT    | Pack Size |
|----------|------------|-----------|
| 110291   | dUTP 40mM  | 500 µ l   |
| 110292   | dUTP 40mM  | 1ml       |
| 110293   | dUTP 100mM | 500 µ l   |
| 110294   | dUTP 100mM | 1ml       |

### **POWDERED dNTP's & dUTP**

| Cat. No. | PRODUCT     | Pack Size |
|----------|-------------|-----------|
| 110301   | dATP powder | 20 mg     |
| 110302   | dATP powder | 100 mg    |
| 110303   | dATP powder | 1 gm      |
| 110304   | dCTP powder | 20 mg     |
| 110305   | dCTP powder | 100 mg    |
| 110306   | dCTP powder | 1 gm      |
| 110307   | dGTP powder | 20 mg     |

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|        |             |        |
|--------|-------------|--------|
| 110308 | dGTP powder | 100 mg |
| 110309 | dGTP powder | 1 gm   |
|        |             |        |
| 110310 | dTTP powder | 20 mg  |
| 110311 | dTTP powder | 100 mg |
| 110312 | dTTP powder | 1 gm   |
|        |             |        |
| 110313 | dUTP powder | 20 mg  |
| 110314 | dUTP powder | 100 mg |
| 110315 | dUTP powder | 1 gm   |

**NOTE :** For research use only. Not for use in Diagnostic or therapeutic procedures.  
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