

**dNTP's 40 mM Mix (10 mM of each dNTP)**  
500 $\mu$ l

Cat No. 110241

**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 40 mM**

This ready to use dNTP's mix contains dATP, dCTP, dGTP and dTTP each, at a concentration of 10 mM in water (pH 7.5). Use 1 $\mu$ l of this mix for PCR amplification in 50 $\mu$ l reaction volume.

**CONTENTS OF THE PACK :**

dNTP's 40mM Mix (10 mM of each dNTP)      500 $\mu$ l    One Vial

**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 50 X in liquid form. Please add 1  $\mu$ l of 40 mM dNTP's mix to 50 $\mu$ l 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> (dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM)	500 $\mu$ l
110242	<b>dNTP mix 40 mM:</b> (dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM)	1ml
110243	<b>dNTP mix 40 mM:</b> (dATP, dCTP, dGTP and dTTP each, at a concentration of 10mM)	1ml x 5
110244	<b>dNTP mix 40 mM:</b> (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  $\mu$ l of this mix for PCR amplification in 50 $\mu$ l reaction volume.

Cat. No.	PRODUCT	Pack Size
110251	<b>dNTP mix 100 mM:</b> (dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM)	500 $\mu$ l
110252	<b>dNTP mix 100 mM:</b> (dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM)	1ml
110253	<b>dNTP mix 100 mM:</b> (dATP, dCTP, dGTP and dTTP each, at a concentration of 25mM)	1ml x 5
110254	<b>dNTP mix 100 mM:</b> (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.  
Genome Diagnostics Pvt. Ltd., shall not in any event be liable for incidental or special damage of any kind resulting from any use except on applications.

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