



genespin

DATA SHEET

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## > dNTPs all

≥ 99% (HPLC-purified) deoxyribonucleotide triphosphates (dNTPs) meeting high quality standards to give excellent performance in a variety of applications, including: PCR, Sequencing, DNA labeling, nick translation, fill-in, cDNA synthesis, TdT tailing reactions, dilution of radiolabeled dNTPs, and Site-directed mutagenesis.

cat. no.	amount	conc.	note
STS-dNTP 100	4 x 100ul	100mM	all four dNTPs at 100mM
STS-dNTP 101	4 x 1ml	100mM	all four dNTPs at 100mM

dATP (100 mM) > 98% HPLC

Full Name

2'-deoxyadenosine-5'-triphosphate

Chemical Name

[[[5-[(6-amino-9H-purin-9-yl)]-3-hydroxy-tetrahydrofuran-2-yl]

methoxy-hydroxy-phosphinoyl]oxy-hydroxy-phosphinoyl]

oxyphosphonic acid

Formulation

C10H16N5O12P3

Molecular Weight

491.2

dCTP (100 mM) > 98% HPLC

Full Name

2'-deoxycytidine-5'-triphosphate

Chemical Name

[[[5-[(4-amino-2-oxo-1H-pyrimidin-1-yl)]-3-hydroxy-tetrahydro-

furan-2-yl]methoxy-hydroxy-phosphinoyl]oxy-hydroxy-phosphi-

noyl]oxyphosphonic acid

Formulation

C9H16N3O13P3

Molecular Weight

467.1

dGTP (100 mM) > 98% HPLC

Full Name

2'-deoxyguanosine-5'-triphosphate

Chemical Name

[[[5-[(2-amino-6-oxo-1,9-dihydropurin-9-yl)]-3-hydroxy-te-

tetrahydrofuran-2-yl]methoxy-hydroxy-phosphinoyl]oxy-hydroxy-

phosphinoyl]oxyphosphonic acid

Formulation

C10H16N5O13P3

Molecular Weight

507.2

dTTP (100 mM) > 98% HPLC

Full Name

2'-deoxythymidine-5'-triphosphate

Chemical Name

[hydroxy-[hydroxy-[[3-hydroxy-5-[(5-methyl-2,4-dioxo-1H-

pyrimidin-1-yl)]tetrahydrofuran-2-yl]methoxy]phosphinoyl]

oxy-phosphinoyl]oxyphosphonic acid

Formulation

C9H15N2O14P3

Molecular Weight

482.1

### FOR RESEARCH USE ONLY

#### SHIPPING

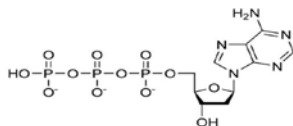
Shipped in green ice.

#### STORAGE

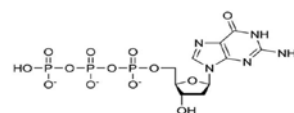
Store at -20°C.

#### SHELF LIFE

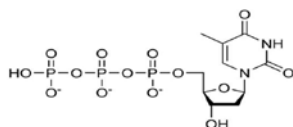
12 months



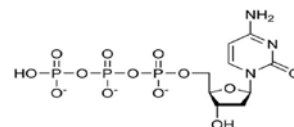
Deoxyadenosine triphosphate (dATP)



Deoxyguanosine triphosphate (dGTP)



Deoxythymidine triphosphate (dTTP)



Deoxycytidine triphosphate (dCTP)