

## NTP bundle

4x 100 mM (ATP, CTP, GTP, UTP)

Cat. No.	Amount
NU-1014S	4x 200 $\mu$ l (4x 20 $\mu$ mol)
NU-1014L	4x 1 ml (4x 100 $\mu$ mol)

For *in vitro* use only

Quality guaranteed for 12 months

Store at -20°C, short term (up to one week) exposure to ambient temperature possible

### Concentration

100 mM +/-2%

### Form

clear aqueous solution, pH 8.0 +/-0.2 (4°C)

### Purity

>99%

### Quality Control Specifications

*in vitro* transcription:

suitable

contamination with bacterial and human DNA:

not detectable

activity of DNase, Protease or Phosphatase:

not detectable

### Description

dNTP Bundle contains four separate solutions of ultrapure ATP, CTP, GTP and UTP supplied as clear aqueous solutions (pH 8.0).

### ATP

2'-Adenosine 5'-triphosphate, sodium salt

Molecular formula:  $C_{10}H_{13}N_5O_{13}P_3$  (Anion)

Molecular weight: 504.16 (Anion)

### CTP

2'-Cytidine 5'-triphosphate, sodium salt

Molecular formula:  $C_9H_{13}N_3O_{14}P_3$  (Anion)

Molecular weight: 480.13 (Anion)

### GTP

2'-Guanosine 5'-triphosphate, sodium salt

Molecular formula:  $C_{10}H_{13}N_5O_{14}P_3$  (Anion)

Molecular weight: 520.15 (Anion)

### UTP

2'-Uridine 5'-triphosphate, sodium salt

Molecular formula:  $C_9H_{12}N_2O_{15}P_3$  (Anion)

Molecular weight: 481.11 (Anion)

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