

Data Sheet (06.08.2010)

NTP Set

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

Cat.-No.	Amount.	Conc.
mi-N1015L	4x 1000 µl	4x 100 µM

Only for *in vitro* use!

For research only!

Storage conditions:

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Long term storage at -20 °C.

Under these storage conditions, a guarantee of 12 months after delivery is given.

Concentration: 100 mM +/-2 %

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

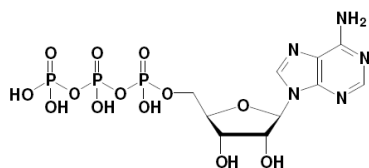
Purity: >99 %

Quality Control Specifications

Suitable for *in vitro* transcription

Contamination with bacterial and human DNA is not detectable

No activity of DNase, Protease or Phosphatase was detectable



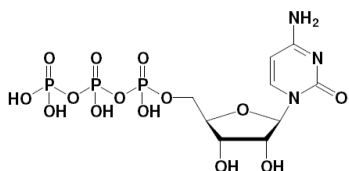
mi-N1010L

Adenosine 5'-triphosphate, sodium salt

Molecular formula: C₁₀H₁₃N₅O₁₃P₃ (Anion)

Molecular weight: 504.16 (Anion)

ε at absorbance max (259 nm, pH 7): 15.1 mmol⁻¹ cm⁻¹



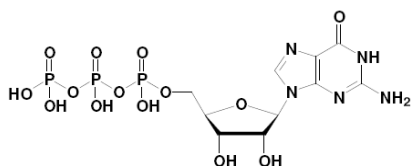
mi-N1011L

Cytidine 5'-triphosphate, sodium salt

Molecular formula: C₉H₁₃N₃O₁₄P₃ (Anion)

Molecular weight: 480.16 (Anion)

ε at absorbance max (271 nm, pH 7): 8.9 mmol⁻¹ cm⁻¹



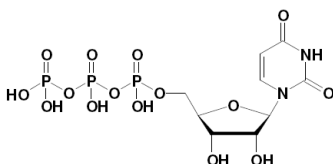
mi-N1012L

Guanosine 5'-triphosphate, sodium salt

Molecular formula: C₁₀H₁₃N₅O₁₄P₃ (Anion)

Molecular weight: 520.15 (Anion)

ε at absorbance max (252 nm, pH 7): 14.2 mmol⁻¹ cm⁻¹



mi-N1013L

Uridine 5'-triphosphate, sodium salt

Molecular formula: C₉H₁₂N₂O₁₅P₃ (Anion)

Molecular weight: 481.11 (Anion)

ε at absorbance max (262 nm, pH 7): 9.8 mmol⁻¹ cm⁻¹