DATA SHEET

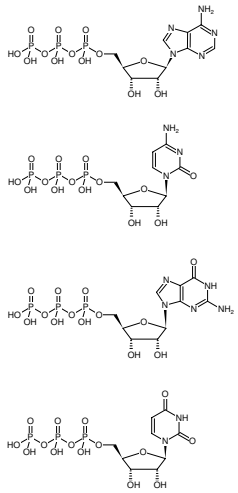
Jena Bioscience

NTP Bundle

ATP, CTP, GTP and UTP 100 mM solutions

Adenosine-5'-triphosphate, Sodium salt; Cytidine-5'-triphosphate, Sodium salt; Guanosine-5'-triphosphate, Sodium salt; Uridine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-1014S	4 x 200 µl (4 x 20 µmol)
NU-1014L	4 x 1 ml (4 x 100 µmol)



Structural formula of NTP Bundle

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Shelf Life: 12 months after date of delivery

Molecular Formula:
ATP: $C_{10}H_{16}N_5O_{13}P_3$ (free acid)
CTP: $C_9H_{16}N_3O_{14}P_3$ (free acid)
GTP: $C_{10}H_{16}N_5O_{14}P_3$ (free acid)
UTP: $C_9H_{15}N_2O_{15}P_3$ (free acid)

Molecular Weight:
ATP: 507.18 g/mol (free acid)
CTP: 483.16 g/mol (free acid)
GTP: 523.18 g/mol (free acid)
UTP: 484.14 g/mol (free acid)

Purity: ≥ 99 % (HPLC)

Form: clear aqueous solution

Concentration: 100 mM ±2 %

pH: 8.0 ±0.2 (22 °C)

Spectroscopic Properties: ATP: λ_{max} 259 nm, ε 15.1 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.0)
CTP: λ_{max} 271 nm, ε 8.9 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.0)
GTP: λ_{max} 252 nm, ε 14.2 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.0)
UTP: λ_{max} 262 nm, ε 9.8 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.0)

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

ATP (#NU-1010)
CTP (#NU-1011)
GTP (#NU-1012)
UTP (#NU-1013)

Quality Control Specifications:
in vitro transcription: suitable
contamination with bacterial and human DNA: not detectable
activity of DNase