



Just fine Molecular Biology

Set of 4 NTPs

Adenosine 5'-triphosphate, trisodium salt (ATP)

CAS Number 987-65-5

Molecular Formula $C_{10}H_{13}N_5Na_3O_{13}P_3$

Molecular Weight 573.2

Appearance Clear Colorless solution

Concentration 100mM±5%

Purity (HPLC) ≥99%

λ_{max}: 259 nm±2nm

Absorbance Ratios (pH 7.0): A250/A260 0.80±0.03 ; A280/A260 0.16±0.02

pH 7.0±0.1

Cytidine 5'-triphosphate, trisodium salt (CTP)

CAS Number 81012-87-5

Molecular Formula $C_9H_{13}N_3Na_3O_{14}P_3$

Molecular Weight 549.2

Appearance Clear Colorless solution

Concentration 100mM±5%

Purity (HPLC) ≥99%

λ_{max}: 271 nm±2nm

Absorbance Ratios (pH 7.0): A250/A260 0.84±0.03 ; A280/A260 0.97±0.03

pH 7.0±0.1

Bioron GmbH

Contact: Phone: +49-(0)-621- 5720 915 Fax:+49-(0)-621-5720 916

E-Mail: info@bioron.net www.bioron.net



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Guanosine 5'-triphosphate, trisodium salt hydrate (GTP)

CAS Number 36051-31-7

Molecular Formula $C_{10}H_{13}N_5Na_3O_{14}P_3$

Molecular Weight 589.2

Appearance Clear Colorless solution

Concentration 100mM \pm 5%

Purity (HPLC) \geq 99%

λ max: 253 nm \pm 2nm

Absorbance Rations (pH 7.0): A250/A260 1.14 \pm 0.03 , A280/A260 0.65 \pm 0.03

pH 7.0 \pm 0.1

Uridine 5'-triphosphate, trisodium salt hydrate (UTP)

CAS Number 19817-92-6

Molecular Formula $C_9H_{12}N_2Na_3O_{15}P_3$

Molecular Weight 550.2

Appearance Clear Colorless solution

Concentration 100mM \pm 5%

Purity (HPLC) \geq 99%

λ max: 262 nm \pm 2nm

Absorbance Rations (pH 7.0): A250/A260 0.74 \pm 0.03 ; A280/A260 0.36 \pm 0.03

pH 7.0 \pm 0.1

Quality control Molecular Biology Grade, The lots of NTP has been performance tested in transcription reaction. **Storage Recommendations** Long term (Infrequent use; 1-2 times per month): -70°C, Daily/Weekly use: -20°C, Always avoid freeze-thaw cycles or exposure to frequent temperature changes. These fluctuations can greatly alter product stability.

Cat# Pack size Price, Euro (Germany)

109010 4 x 0,25 ml

Version AS21.06.006

Bioron GmbH

Contact: Phone: +49-(0)-621- 5720 915 Fax:+49-(0)-621-5720 916

E-Mail: info@bioron.net www.bioron.net