



# 100 mM Ribo- Nucleotides Set

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

Cat. No.	size
E0601-01	4 x 200 µl
E0601-02	4 x 1 ml

## Storage Conditions:

Store at -20°C.

## Concentration:

100 mM

## Quality Control:

- *in vitro* transcription: verified;
- bacterial and human DNA free;
- RNase, DNase, Protease, Phosphatase free.
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Ultrapure set of NTPs contains four separate solutions of ATP, CTP, GTP and UTP supplied as aqueous solutions (pH 8.0). Suitable for *in vitro* transcription experiments.

## Description:

- **ATP**  
Adenosine 5'-triphosphate, sodium salt  
Molecular formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub> (Anion)  
Molecular weight: 504.16 (Anion)  
ε at absorbance max (259 nm, pH 7): 15.1 mmol<sup>-1</sup> cm<sup>-1</sup>
- **CTP**  
Cytidine 5'-triphosphate, sodium salt  
Molecular formula: C<sub>9</sub>H<sub>13</sub>N<sub>3</sub>O<sub>14</sub>P<sub>3</sub> (Anion)  
Molecular weight: 480.13 (Anion)  
ε at absorbance max (271 nm, pH 7): 8.9 mmol<sup>-1</sup> cm<sup>-1</sup>
- **GTP**  
Guanosine 5'-triphosphate, sodium salt  
Molecular formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>14</sub>P<sub>3</sub> (Anion)  
Molecular weight: 520.15 (Anion)  
ε at absorbance max (252 nm, pH 7): 14.2 mmol<sup>-1</sup> cm<sup>-1</sup>
- **UTP**  
Uridine 5'-triphosphate, sodium salt  
Molecular formula: C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>15</sub>P<sub>3</sub> (Anion)  
Molecular weight: 481.11 (Anion)  
ε at absorbance max (262 nm, pH 7): 9.8 mmol<sup>-1</sup> cm<sup>-1</sup>

This product is developed, designed and sold exclusively for research purposes and *in vitro* use only.

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