

**CERTIFICATE OF ANALYSIS**

# NTP Set

**#R0481**                      4x25µmol

**Lot:**

**Quantity:**                      The NTP Set contains 0.25ml of 100mM solutions of each ATP, CTP, GTP and UTP in separate vials.

**Store at -20°C**

## *General characteristics*

**ATP**                                       $C_{10}H_{13}N_5O_{13}P_3Na_3$   
(#R0441, Lot 1802)                      MW 573.1 (507.2)  
 $\lambda_{max}=259nm, \epsilon=15.4 \times 10^3$  (pH7.0)

**CTP**                                       $C_9H_{13}N_3O_{14}P_3Na_3$   
(#R0451, Lot 1801)                      MW 549.1 (483.1)  
 $\lambda_{max}=271nm, \epsilon=9.0 \times 10^3$  (pH7.0)


**GTP**                                       $C_{10}H_{13}N_5O_{14}P_3Na_3$   
(#R0461, Lot 1801)                      MW 589.2 (523.2)  
 $\lambda_{max}=253nm, \epsilon=13.7 \times 10^3$  (pH7.0)

**UTP**                                       $C_9H_{12}N_2O_{15}P_3Na_3$   
(#R0471, Lot 1801)                      MW 550.1 (484.1)  
 $\lambda_{max}=262nm, \epsilon=10.0 \times 10^3$  (pH7.0)

## **QUALITY CONTROL ASSAY DATA**

### *Molecular Biology Grade*

- Tested in transcription reaction.
- Purity of >96% by HPLC

**Quality authorized by:**  Jurgita Zilinskiene

### PRODUCT USE LIMITATION.

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to [www.fermentas.com](http://www.fermentas.com) for Material Safety Data Sheet of the product.