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## DATA QUALITY SHEET

### Nucleotide (NTP) Solution Set

Sodium or lithium or ammonium salts

FOR RESEARCH USE ONLY

A set of 4 NTP contains 4 tubes of NTPs solutions (ATP, CTP, GTP, UTP) at a concentration of 100 mM.

All nucleotides are available as single nucleotides.

Ribonucleoside - 5' - triphosphates are available as water or TE-Buffer solutions (100 mM).

### Description

They are suitable for *in vitro* transcription and compatible with all commercially available transcription kits, or can be used as starting material for further chemical or enzymatic modifications.

#### Applications

- *in vivo* transcription
- RNA amplification
- miRNA and siRNA synthesis

### Delivery form

Sterile water solution of appropriate salt nucleotide. Colorless transparent liquid.

### Concentration

0.1 M

### Quality control

- Purity according to HPLC analysis is not less than 98%.
- Product is free of RNases activities.
- The concentration is determined spectrophotometrically.
- Each lot is tested for the absence traces of DNA and dNTPs in appropriate tests.

### Storage

-20°C. Avoid multiple freezing-thawing.

### Transportation

The product does not require special conditions of transportation.