

# invitrogen™

by *life* technologies™

## NTP Mix (ATP, CTP, GTP, UTP)

<b>Cat. no.</b>	<b>Size</b>	<b>Conc.</b> 10 mM
18109-017	500 µL	<b>Store at</b> -30°C to -10°C
<b>Pub. Part no.</b> 18109017.pps	MAN0001352	<b>Rev. Date</b> 17 August 2011

### Description

10 mM NTP Mix consists of 10 mM adenosine 5'-triphosphate, 10 mM cytidine 5'-triphosphate, 10 mM guanosine 5'-triphosphate, and 10 mM uridine 5'-triphosphate. The NTP stocks are made in DEPC-treated water and neutralized to pH 7.0 with NaOH. Tris-HCl pH 7.5 is added so that the final concentration is 1 mM. The NTP stocks are mixed in DEPC-treated water to give a final concentration of 10 mM for each nucleotide. This solution is qualified for work in *in vitro* transcription reactions.

### Functional Assay Conditions

- 20 µL 5X T3/T7 Reaction Buffer
- 10 µL 10 mM NTP Mix
- 1 µg linearized plasmid DNA
- 5 µL 0.1 M DTT
- 2 µL T7 RNA Polymerase (50 U/µL)
- Reaction Volume: 100 µL
- Incubation Time: 1 hour at 37°C

**Intended Use:** For research use only.

Not intended for any animal or human therapeutic or diagnostic use.

## Certificate of Analysis

The Certificate of Analysis (CofA) provides detailed quality control information for each product. The CofA is available on our website at [www.invitrogen.com/cofa](http://www.invitrogen.com/cofa), and it is searchable by product lot number, which is printed on each box.

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