

NTP Mix

Shipping: On Dry/Blue Ice Catalog numbers
Exp. Date: See vial BIO-39050: 1ml
Batch No.: See vial
Concentration: 100µM each

Store at -20°C



A Meridian Life Science® Company

Storage and stability:

NTP Mix is shipped on Dry/Blue Ice and can be stored for up to 12 months at -20°C. Avoid multiple freeze/thaw cycles. For long-term storage, aliquoting is recommended.

Safety precautions:

Please refer to the material safety data sheet for information.

Typical Analysis:

Sodium salts, >98% nucleoside triphosphates (HPLC, area %), <2% nucleoside diphosphates.

Notes

This product insert is a declaration of analysis at the time of manufacture. Research Use Only.

Features

- Validated for *in vitro* transcription
- DNase, RNase and Nickase free
- 98% pure by HPLC
- Convenient, pre-optimized mix available

Applications

- *In vitro* transcription reactions
- Production of RNA probes and transcripts

Description

The NTP Mix is a solution containing 25µmol of each ATP, GTP, CTP and UTP (pH 7.5) as sodium salts in a convenient mix at 100mM (total NTP concentration).

Bioline Ultra-pure NTPs (Ribonucleoside-5'-tri-phosphates) are enzymatically synthesized from premium quality raw materials, using highly specific production systems in our purpose built facilities. The manufacturing process eliminates impurities such as ribo-analogues and other contaminants commonly observed in other commercially available NTP products. Bioline NTPs are >98% pure as analyzed by HPLC and are free of DNase, RNase, Protease, Phosphatase and nicking activity.

Product Citations:

1. Kleman-Layer, K., *et al. Assays & Drug Dev. Tech.* **7** 56-67 (2009)
2. Llarena, M., *et al. Biochim. Biophys. Acta* **1760(12)**, 1819-26 (2006)
3. Peyvandi, F., *et al. Blood* **97(4)**, 960-965 (2001)

Associated Products:

Product Name	Pack Size	Cat No
NTP Set	4 x 25µmol	BIO-39052

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