



### NTP Mix - 25 mM Solution

Premix of 25 mM ATP, CTP, GTP and UTP

Adenosine-5'-triphosphate, Sodium salt; Cytidine-5'-triphosphate, Sodium salt; Guanosine-5'-triphosphate, Sodium salt; Uridine-5'-triphosphate, Sodium salt

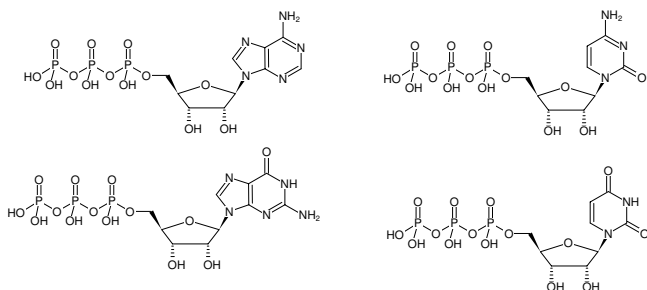
Cat. No.	Amount
NU-1024S	1 ml
NU-1024L	5x 1 ml

#### Description:

NTP Mix / 25 mM is an equimolar mixture of 25 mM ATP, CTP, GTP and UTP supplied as ultrapure aqueous solution and suitable for all molecular biology applications including *in vitro* transcription and RNA labeling.

#### Quality Control Specifications:

*in vitro* transcription: suitable  
contamination with bacterial and human DNA: not detectable  
activity of DNase, Protease or Phosphatase: not detectable



Structural formula of NTP Mix - 25 mM Solution

**For general laboratory use.**

**Shipping:** shipped on gel packs

**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

**Shelf Life:** 12 months

#### Molecular Formula:

ATP: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub> (free acid)

CTP: C<sub>9</sub>H<sub>16</sub>N<sub>3</sub>O<sub>14</sub>P<sub>3</sub> (free acid)

GTP: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>14</sub>P<sub>3</sub> (free acid)

UTP: C<sub>9</sub>H<sub>15</sub>N<sub>2</sub>O<sub>15</sub>P<sub>3</sub> (free acid)

#### Molecular Weight:

ATP: 507.18 g/mol (free acid)

CTP: 483.16 g/mol (free acid)

GTP: 523.18 g/mol (free acid)

UTP: 484.14 g/mol (free acid)

**Purity:** ≥ 99 % (HPLC)

**Form:** clear aqueous solution

**Concentration:** 25 mM each nucleotide

**pH:** 8.0 ± 0.2 (22 °C)