



2.5x Nucleotide Mix

Ribonucleotide mix with Cap Analog, ready for use in IVT reactions.

Ribonucleotide tri-phosphates (rNTP) are ribonucleotides with 3 phosphate groups. rNTPs are the building blocks of RNA synthesis. Allele offers the 2.5x Nucleotide mix consisting of:

- Thiol-2-UTP (Pseudouridine-5'-triphosphate)/UTP
- 5M-CTP (Methylcytidine-5'-triphosphate)/CTP
- GTP
- ATP
- ARCA (Cap Analog)

The 2.5x Nucleotide Mix is suitable for use in *in vitro* transcription reactions with SP6, T3, and T7 RNA polymerases for production of mRNA transcripts. This product contains modified bases, necessary for exogenous gene expression by RNA transfection. The proprietary NTP mix is optimized for high yield during *in vitro* transcription, high expression in mammalian cells, and reduced cellular immune response. Mix is ready to use in IVT reactions.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited

Box 1 | Product Info

Content	Qty
Cat#: ABP-PP-NTPMIX	
100µl of 2.5X Nucleotide Mix	
Mix Content	
◆ARCA (Cap Analog)	
◆5m-CTP	
◆Thiol-2-UTP	
◆ATP	
◆GTP	

Store at -20°C

Features

- ◆ 2.5x Nucleotide mix provides all components in optimal ratios ready for use in IVT reactions.
- ◆ Mix contains all necessary modified bases needed for non-immunogenic mRNA transcripts.
- ◆ ARCA Cap Analog included. Transcripts synthesized with ARCA at the 5' end become translatable causing a stimulatory effect on translation.
- ◆ QC tested to guarantee reliability and efficiency