

Ribonucleic Acid Triphosphates

Store at -20°C .
Do not store in a frost-free freezer.

Catalog #:	AM8110G – ATP AM8120G – CTP AM8130G – GTP AM8140G – UTP
Amount:	100 μL each
Concentration:	10 mM each
Storage Conditions:	Store at -20°C . <i>Do not store in a frost-free freezer.</i>

USER INFORMATION

Product Description: Ambion® Ribonucleic Acid Triphosphates are ideal for in vitro transcription reactions. The ATP may also be used in ligation and phosphorylation reactions. These are the same high quality 10 mM nucleotide solutions provided in MAXIscript® In Vitro Transcription Kits (Cat #AM1308–AM1326).

QUALITY CONTROL

Nonspecific Endonuclease Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 300 ng supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.

Exonuclease Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 40 ng ^{32}P -labeled *Sau3A* fragments of pUC19 and analyzed by PAGE.

RNase Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 25 ng ^{32}P -labeled RNA and analyzed by PAGE.

Functional Testing: Ribonucleic Acid Triphosphates are tested functionally in a trace-labeled and mock high-specific activity MAXIscript® reaction using the Ambion MAXIscript® Kit (Cat #AM1308–AM1326).

OTHER INFORMATION

Material Safety Data Sheets: Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds. Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com. Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)

Warranty and Liability: *For research use only. Not for use in diagnostic procedures.*

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