mMESSAGE mMACHINE® high yield capped RNA transcription kits

ambion | RNA by Life technologies

NEW

50

- High yields of capped RNA - up to 39µg RNA per T7 or T3 reaction
- Extra convenience - cap analog-nucleotide mix provided
- Simplified reaction format
- Synthesised transcripts ideal for microinjection, *in vitro* translation, or transfection

mMESSAGE mMACHINE® high yield capped RNA transcription kits utilise the patented Ambion® high yield transcription technology for routine synthesis of 15 to 35µg of 7-methyl guanosine capped RNA from 1µg template DNA in a 20µL volume during a 2hr reaction. This is 10 to 50 times the yield of capped RNA obtained with conventional in vitro transcription reactions. The ratio of cap analog to GTP has been optimised to allow the best compromise between yield (15 to 35µg) and proportion of transcripts that are capped (80%).
The mMessage mMachine® T7 Ultra configuration includes an Anti-Reverse Capping Analog (ARCA) to produce functionally oriented transcripts, as well as a poly-A tailing enzyme to further improve transcript stability, all leading to improved protein translation. The cap analog:GTP ratio can be adjusted to increase the yield of long transcripts (>4kb). RNA synthesised from a mMESSAGE mMACHINE® reaction is ideal for microinjection or *in vitro* translation studies.

Catalogue No	Alt. No	Description	Quantity
VYAM1340	AM1340	mMESSAGE mMACHINE® SP6 Kit	25 rxns
VYAM1344	AM1344	mMESSAGE mMACHINE® T7 Kit	25 rxns
VYAM1345	AM1345	mMESSAGE mMACHINE® T7 ULTRA Kit	10 rxns
VYAM1348	AM1348	mMESSAGE mMACHINE® T3 Kit	25 rxns
VYAMB13455	AMB13455	5X mMESSAGE mMACHINE® T7 ULTRA Kit	50 rxns

MEGAscript® kits

ambion | RNA by Life technologies

NEW

50

The MEGAscript® kit can produce over 120µg of RNA from 1µg DNA template.
This is 10 to 50 times the amount of RNA produced by conventional transcription. Reactions are versatile and can be manipulated to include specialised reagents such as modified nucleotides or additional polymerase. In addition, the MEGAshortscript™ Kit is also available for the transcription of short (20bp to 500bp) RNA transcripts. This patented technology was designed to maximise the yield of short RNA transcripts from plasmid, oligonucleotides, and PCR* product templates.

Catalogue No	Alt. No	Description	Quantity
VYAM1330	AM1330	MEGAscript® SP6 kit	40 rxns
VYAM1333	AM1333	MEGAscript® T7 kit	25 rxns
VYAM1334	AM1334	MEGAscript® T7 kit	40 rxns
VYAM1338	AM1338	MEGAscript® T3 kit	40 rxns
VYAM1354	AM1354	MEGAshortscript™ T7 kit	25 rxns
VYAMB13345	AMB13345	5X MEGAscript® T7 kit	200 rxns

MessageAmp™ RNA amplification kits

ambion | RNA by Life technologies

NEW

50

The MessageAmp™ Premier and MessageAmp™ III RNA amplification kits are the next generation of Ambion® biotin labelling/ amplification kits to support microarray technology, such as the Affymetrix GeneChip® platform.
Both the Message-Amp™ Premier and MessageAmp™ III kits incorporate extensive improvements with a simplified workflow and more efficient reactions. The kits now consist of a set of master mixes, reducing the number of components, pipetting steps, and manipulations. The Initial Primer Annealing Step and cDNA Purification Step have been eliminated. All steps of the biotin labelling/amplification process take place in a single reaction tube. This simplified workflow significantly shortens hands on time, reducing operator-dependant errors and variability.

Catalogue No	Alt. No	Description	Quantity
VY4385821	4385821	MessageAmp™ Premier RNA Amplification Kit	10 rxns
VYAM1792	AM1792	MessageAmp™ Premier RNA Amplification Kit	30 rxns
VY4383452	4383452	MessageAmp™ Premier RNA Amplification Kit	100 rxns
VYAM10027	AM10027	Magnetic Stand-96	1 each
VY4383451	4383451	MessageAmp™ III RNA Amplification Kit	10 rxns
VYAM1793	AM1793	MessageAmp™ III RNA Amplification Kit	30 rxns