

mRNA Vaccine Tools & Reagents

Move your Novel Candidates from Bench to Production

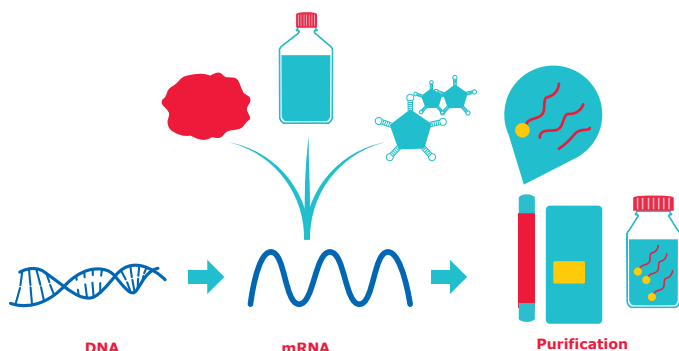
The rising concern over pandemics caused by novel viruses has mandated the need for robust and accelerated vaccine research. As a life science partner, we are committed to providing researchers reliable access and availability to a full suite of tools needed for the identification, characterization, research, and development of candidates for new vaccines. These tools are complemented by our hands-on approach, providing your labs the expertise and specifications you need to expedite mRNA research and production needs.

For Research Use Only. Not For Use In Diagnostic Procedures.

Full Customization

We support your specific needs through flexibility in:

- Supply chain security — standing orders, forecasting and demand planning
- Documentation — CofAs, CofO and QC batch records to meet production needs
- Sampling and lot reservations
- Packaging convenience
- Custom specifications and testing
- Bulk format availability*



mRNA offers a new approach to generating vaccines that prevent the risk of permanent integration into the genome.

mRNA Synthesis

Reagents for RNA polymerase transcription

Product Description	Cat. No.
ATP, HPLC purified, 100mM aqueous solution	A6559
CTP, HPLC purified, 100mM aqueous solution	C8552
GTP, HPLC purified, 100mM aqueous solution	G3776
UTP, HPLC purified, 100mM aqueous solution	U1006
RNase Inhibitor	R1158
Deoxyribonuclease I from bovine pancreas	D4527
Proteinase K Solution, 600 mAU/mL	71049
Proteinase K, lyophilized powder	70663
LiCl	L7026
Pyrophosphatase, Inorganic from baker's yeast (<i>S. cerevisiae</i>)	I1643

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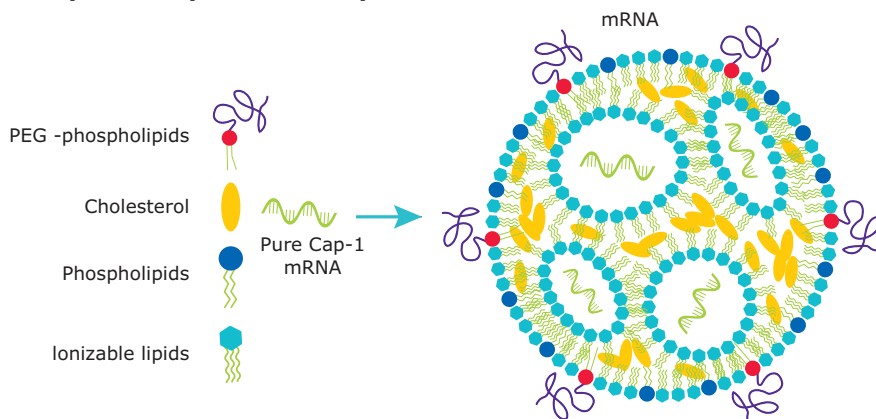
mRNA Analysis

Product Description	Cat. No.
GelRed nucleic acid gel stain	SCT123
RiboRuler High Range RNA Ladder	R7020
Quantitative RT-PCR ReadyMix™	QR0200
KiCqStart® One-Step Probe RT-qPCR ReadyMix™	KCQS07
KiCqStart® One-Step Probe RT-qPCR ReadyMix™, Low ROX™	KCQS08
KiCqStart® One-Step Probe RT-qPCR ReadyMix™, ROX™	KCQS09
Nuclease-Free Water, Molecular Grade	W4502

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mRNA - Lipid Nanoparticle Complex



Collections of ionizable lipid nanoparticles to encapsulate, protect, and prevent the degradation of mRNA.

mRNA Purification

Decontamination of mRNA samples by removal of dsRNA

Product Description	Cat. No.
Phenol:Chloroform:Iso-amyl alcohol (125:24:1)	P1944
Isopropanol, BioReagent, for molecular biology, ≥99.5%	I9516
GenElute™ mRNA Miniprep Kit	MRN70
GenElute™ Direct mRNA Miniprep Kit	DMN70

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mRNA Protection

Reagents for mRNA encapsulation

Product Description	Cat. No.
1,2-Distearoyl-sn-glycero-3-phosphocholine	P1138
Cholesterol	C8667
PEG	81300
DOTAP chloride	D6182
3-(Dimethylamino)-1,2-propanediol	210218

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***Inquire for more information on availability of select products in bulk format.**

For bulk and custom inquiries, contact
LSRBULK@milliporesigma.com

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