

## Product Information

### mRNA-loaded cationic liposomes

**Cat. No.:** X26-05-ZQ2550

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**Synonym:** mRNA-loaded cationic LPs; Cationic mRNA liposomes; mRNA cationic lipoplexes

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	This uniform genetic reference formulation features messenger ribonucleic acid loaded cationic liposomes. The vesicular framework incorporates synthetic single-stranded messenger ribonucleic acid (mRNA) fragments complexed inside a high-purity phospholipid bilayer shell containing cationic lipids to establish a robust positive surface potential. This precise configuration isolates the polyanionic nucleotide chains within the layered aqueous domains <i>via</i> electrostatic interaction, protecting them from rapid chemical or enzymatic hydrolysis in open laboratory testing media while maintaining high colloidal stability <i>via</i> strong electrostatic repulsive forces.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	mRNA; Cationic lipid matrix
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.