



Product Information

Plasmid DNA-loaded cationic liposomes

Cat. No.: X26-05-ZQ2551

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

Synonym: pDNA-loaded cationic LPs; Plasmid DNA cationic liposomes; pDNA cationic lipoplexes

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

Product Information

Description	This uniform genetic reference formulation features plasmid deoxyribonucleic acid loaded cationic liposomes. The vesicular framework incorporates large double-stranded circular plasmid deoxyribonucleic acid (DNA) fragments complexed inside a high-purity phospholipid bilayer shell containing cationic lipids to establish a robust positive surface potential. This precise configuration isolates the large polyanionic nucleotide chains within the layered aqueous domains <i>via</i> electrostatic condensation, 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.
Source	Custom synthesis
Functional Group	Plasmid DNA; Cationic lipid matrix
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Storage	Store at -20°C.