



# DC-Chol/DOPE(2/4 mM) Cationic Liposome

Catalog: Lipo-191RG

## PRODUCT INFORMATION

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**Name** DC-Chol/DOPE(2/4 mM) Cationic Liposome

**Cat No.** Lipo-191RG

**Product Overview** Cationic liposomes are traditionally used for the delivery of genetic materials such as various types of DNA (pDNA, cDNA, CpG DNA, oligonucleotide, antisense oligonucleotide, etc.), various types of RNA such as (siRNA, mRNA, etc.) and nucleic acid mimics (NAMs). DC-Chol is a kind of lipid which has one positive charge per MOLECULE. Using DC-Chol in liposome can neutralize the negative charge of pDNA with positive charge of cationic lipids in order to capture more plasmid efficiently mainly due to electrostatic interaction and deliver them into the cells.

**Lipid Composition** DC-Chol/DOPE(2/4 mM) DC-Chol: 3'-[N-(N',N'-dimethylaminoethane)-carbonyl] cholesterol hydrochloride DOPE: 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE)

**Form** Liquid

**Storage Buffer** Deionized RNase-free Water, pH 7

**Concentration** Lipid Concentration 6mM

**Stability** 2 months

**Storage** 2 °C to 8 °C (do not freeze)

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