

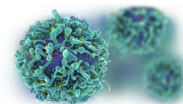
DOPC/CHOL Liposomes (300nm), Fluorescein DHPE labeled

Catalog: DOPC-029L

The liposomes are prepared by the extrusion method to 300nm with tight particle size distribution. The product is semisterile filtered through 0.45um filters and filled in autoclaved vials guaranteed to be stable for 3 months stored in refrigerator. The phospholipid, fluorescein DHPE is labeled on the head group with the green-fluorescent pH-sensitive fluorophore, fluorescein (excitation/emission maxima ~496/519 nm).
Lipid composition: DOPC/CHOL/F-DHPE (54:45:1 mol/mol)
Mean particle size: 280 nm (250-320 nm)

PRODUCT INFORMATION

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Lipid Composition	DOPC; CHOL; FITC-DHPE
Application	Liposome production; Synthetic lipid
Storage Buffer	Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.5 ± 0.2



Concentration	Lipid concentration: 50 mM (50-55 mM) Fluorescein DHPE: 0.5 mM (0.59 mg/mL)
Stability	3 Month for unopened vials.
Storage	Store at 2-8 centigrade.
Synonyms	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.