

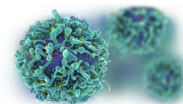
DOPC/CHOL Liposomes (200nm), Fluorescein DHPE labeled

Catalog: DOPC-025L

The liposomes are prepared by the extrusion technology to 200-250nm nm 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/Fluorescein-DHPE (54:45:1 mol/mol)
Mean particle size: 230 nm (200-250 nm, intensity weighted lognormal per DSL)
Particle size distribution: 80-100nm (half-width)

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	6 Month for unopened vials.
Storage	Store at 2-8 centigrade, protect from light.
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.