

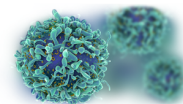
DOPC/CHOL Liposomes (100nm), DiA labeled;

Catalog: DOPC-014L

The liposomes are prepared by the extrusion method to 100nm with very tight particle size distribution. The product is sterile filtered and filled in sterile vials guaranteed to be stable for 6 months when stored in refrigerator.
Lipid composition: DOPC/CHOL (54:45 mol/mol)
Mean particle size: 100 nm (90-120 nm)

PRODUCT INFORMATION

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Lipid Composition	DOPC; CHOL
Application	Liposome production; Synthetic lipid
Storage Buffer	Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.3 ± 0.2
Concentration	Lipid concentration: 50 mM (50-55 mM) DiA: 0.5mM (0.39mg/mL)
Stability	6 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.