



DOPC/CHOL Liposomes (100nm), DiO labeled

Catalog: DOPC-017L

PRODUCT INFORMATION

Name	DOPC/CHOL Liposomes (100nm), DiO labeled
Cat No.	DOPC-017L
Product Overview	<p>The fluorescent control liposomes contain the green lipophilic dye DiO incorporated in the bilayers. It is used for tracking the cellular uptake of the liposomes by common methods like confocal, FACS, etc. The green fluorescent, lipophilic carbocyanine DiOC18(3) is widely used as a lipophilic tracer. It is weakly fluorescent in water but highly fluorescent and quite photostable when incorporated into membranes. It has an extremely high extinction coefficient and short excited-state lifetimes (~1 nanosecond) in lipid environments.</p> <p>Lipid composition: DOPC/CHOL (54:45 mol/mol)</p> <p>Mean particle size: 100 nm (90-120 nm)</p>
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) Dye: 0.5 mM (0.44 mg/mL)
Stability	6 Month for unopened vials.
Storage	Store at 2-8 centigrade.
Synonyms	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol