



DOPC/CHOL Liposomes (100nm), DiR labeled

Catalog: DOPC-018L

PRODUCT INFORMATION

Name	DOPC/CHOL Liposomes (100nm), DiR labeled
Cat No.	DOPC-018L
Product Overview	<p>The fluorescent control liposomes contain the lipophilic Near IR dye DiR incorporated in the bilayers. It is used for tracking the cellular uptake of the liposomes in vitro and in vivo by common methods like confocal, FACS, NIR imaging etc. The near IR fluorescent, lipophilic carbocyanine DiOC18(7) ("DiR") is weakly fluorescent in water but highly fluorescent and quite photostable when incorporated into membranes. The sulfonate groups incorporated into this DiI analog improves water solubility. 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	<p>Lipid concentration: 50 mM (50-55 mM)</p> <p>DiR: 0.5 mM (0.51mg/mL)</p>
Stability	6 Month for unopened vials.
Storage	Store at 2-8 centigrade.
Synonyms	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol