



## **DOPC/CHOL Liposomes (100nm), DiR labeled**

## Catalog: DOPC-018L

## **PRODUCT INFORMATION**

Name	DOPC/CHOL Liposomes (100nm), DiR labeled
Cat No.	DOPC-018L
Product Overview	The fluorescent control liposomes contain the lipophilic Near IR dye DiR incorporated in the bilayers. It is use d for tracking the cellular uptake of the liposomes in vitro and in vivo by common methods like confocal, FAC
	S, NIR imaging etc. The near IR fluorescent, lipophilic carbocyanine DiOC18(7) (\"DiR\") is weakly fluoresce
	nt in water but highly fluorescent and quite photostable when incorporated into membranes. The sulfonate grou
	ps incorporated into this DiI analog improves water solubility. It has an extremely high extinction coefficient a
	nd short excited-state lifetimes (~1 nanosecond) in lipid environments.
	Lipid composition: DOPC/CHOL (54:45 mol/mol)
	Mean particle size: 100 nm (90-120 nm)
Lipid Composition	DOPC; CHOL
Application	Liposome production; Synthetic lipid
Storage Buffer	Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.3 $\pm$ 0.2
Concentration	Lipid concentration: 50 mM (50-55 mM)
	DiR: 0.5 mM (0.51mg/mL)
Stability	6 Month for unopened vials.
Storage	Store at 2-8 centigrade.
Synonyms	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol