



# DOPC/CHOL Liposomes (100nm), DiO labeled

Catalog: DOPC-017L

## PRODUCT INFORMATION

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**Name** DOPC/CHOL Liposomes (100nm), DiO labeled

**Cat No.** DOPC-017L

**Product Overview**

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.

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 ± 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

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