



# PEGylated DOPC/CHOL/mPEG-PE Liposomes, DiD labeled

**Catalog: DOPC-044L**

## PRODUCT INFORMATION

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**Name** PEGylated DOPC/CHOL/mPEG-PE Liposomes, DiD labeled

**Cat No.** DOPC-044L

### Product Overview

The fluorescent control liposomes contain the lipophilic dye DiD incorporated in the bilayers. It is used for tracking the cellular uptake of the liposomes by common methods like confocal, FACS, etc. The far-red fluorescent, lipophilic carbocyanine DiD is a longer-wavelength DiI analog. It is an oil at room temperature and 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/mPEG-2000-DSPE (50:45:5 mol/mol)

Mean particle size: 100 nm (85-110 nm)

**Lipid Composition** DOPC; CHOL; mPEG-2000-DSPE

**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)  
DiD: 0.5 mM (0.48mg/mL)

**Stability** 6 Month for unopened vials.

**Storage** Store at 2-8 centigrade.

**Synonyms** DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol