



PEGylated DOPC/CHOL Liposomes, DiO labeled

Catalog: DOPC-042L

PRODUCT INFORMATION

Name PEGylated DOPC/CHOL Liposomes, DiO labeled

Cat No. DOPC-042L

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/mPEG2000-DSPE (50:45:5 mol/mol)

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

Lipid Composition DOPC; CHOL; mPEG2000-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)
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