



DOPC/CHOL Liposomes (100nm), Oregon Green 488 DHPE labeled

Catalog: DOPC-020L

PRODUCT INFORMATION

Name	DOPC/CHOL Liposomes (100nm), Oregon Green 488 DHPE labeled
Cat No.	DOPC-020L
Product Overview	<p>The liposomes are prepared by the extrusion method to 100nm with very tight particle size distribution. The product is sterile filtered and filled in sterile vials guaranteed to be stable for 6 months when stored in refrigerator. The product is sterile filtered and filled in sterile vials guaranteed to be stable for 3 months when stored in refrigerator. The phospholipid, Oregon Green 488 DHPE is labeled on the head group with the green-fluorescent Oregon Green fluorophore with excitation/emission maxima ~496/524 nm. This fluorinated analog of fluorescein overcomes some of the key limitations of fluorescein, including greater photostability and a lower pKa (pKa ~ 4.7 versus 6.4 for fluorescein), making its fluorescence essentially pH insensitive in the physiological pH range.</p> <p>Lipid composition: DOPC/CHOL/OG-DHPE (54:45:1 mol/mol)</p> <p>Mean particle size: 100 nm (90-120)</p>
Lipid Composition	DOPC; CHOL; OG-DHPE
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) Oregon Green 488 DHPE: 0.5 mM (0.54 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