



# DOPC/CHOL/mPEG-DSPE Liposomes, Oregon Green 488 DHPE labeled

**Catalog: DOPC-036L**

## PRODUCT INFORMATION

---

<b>Name</b>	DOPC/CHOL/mPEG-DSPE Liposomes, Oregon Green 488 DHPE labeled
<b>Cat No.</b>	DOPC-036L
<b>Product Overview</b>	<p>The liposomes are prepared by the extrusion method to about 100nm with 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 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/mPEG-2000-DSPE/OG 488-DHPE (49:45:5:1 mol/mol)  Mean particle size: 100 nm (85-110 nm)</p>
<b>Lipid Composition</b>	DOPC; CHOL; mPEG-2000-DSPE; OG 488-DHPE
<b>Application</b>	Liposome production; Synthetic lipid
<b>Storage Buffer</b>	Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.3 ± 0.2
<b>Concentration</b>	Lipid concentration: 50 mM (50-55 mM) Oregon Green 488 DHPE: 0.5mM (0.54 mg/mL)
<b>Stability</b>	6 Month for unopened vials.
<b>Storage</b>	Store at 2-8 centigrade, protect from light.
<b>Synonyms</b>	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol