

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

Code No. : F60103F-OG

Size : 1 ml & 5 ml

Image
Coming
Soon

Product Description

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

High quality LUV liposomes labeled with Oregon Green® 488 DHPE (OG-DHPE) are ready to use. 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 3 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.

Specifications

Lipid composition: DOPC/CHOL/OG-DHPE (54:45:1 mol/mol)

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

Lipid concentration: 50 mM (50-55 mM)

Oregon Green 488 DHPE: 0.5 mM (0.54 mg/mL)

Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.5 ± 0.2

Storage: in refrigerator (2 - 8 degree C)

Stability: 3 month for unopen vials

DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine

CHOL: cholesterol

Oregon Green 488 DHPE: Oregon Green® 488 1,2-dihexadecanoyl-sn-glycero-3-phosphoethanolamine (Invitrogen O-12650)

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