



# DSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol) Liposomes with Ammonium Gradient (100nm)

**Catalog: DSPC-059L**

## PRODUCT INFORMATION

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|--------------------------|---|
| <b>Name</b>              | DSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol) Liposomes with Ammonium Gradient (100nm)  |
| <b>Cat No.</b>           | DSPC-059L   |
| <b>Product Overview</b>  | <p>This product is prepared to the finest quality and shipped to you ready for drug loading. DSPC/CHOL/mPEG-DSPE liposomes with ammonium gradient is the formulator's choice for loading of weakly basic compounds, because it offers significantly improved drug retention and the ease of use in terms of process parameters such as loading temperature (60-70 deg C).</p> <p>This liposomes can be used as the placebo control for the drug loaded formulation or use the much cheaper plain DSPC liposomes as placebo control.</p> <p>Lipid composition: DSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol)</p> <p>Mean particle size: 100 nm (95 - 120 nm)</p> |
| <b>Lipid Composition</b> | DSPC; CHOL; mPEG2000-DSPE   |
| <b>Application</b>       | Liposome production; Synthetic lipid  |
| <b>Storage Buffer</b>    | <p>Hydration buffer (loading battery): 250 mM ammonium sulfate</p> <p>External solution: 10% sucrose, 20mM sodium PO<sub>4</sub>, pH 6.5 ± 0.2</p>  |
| <b>Concentration</b>     | Lipid concentration: 60mM (60 - 65 mM)  |
| <b>Stability</b>         | 6 Month for unopened vials.   |
| <b>Storage</b>           | Store at 2-8 centigrade.  |
| <b>Synonyms</b>          | DSPC; 18:0 PC,1,2-distearoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol; mPEG2000-DSPE  |