

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

Code No. : F20204A

Size : 10 ml

Image  
Coming  
Soon

### Product Description

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

HSPC/CHOL/mPEG-DSPE liposomes with ammonium gradient is the formulator's choice in pharmaceutical/biotech industry for both formulation feasibility studies and liposomal product development, because HSPC is essentially equivalent to DSPC (HSPC contains about 85 % DSPC 15% DPPC). The main advantages for using HSPC are its lower cost and availability of GMP quality raw materials. HSPC material used at FormuMax is from one of the world's premier lipid vendors.

A drug loading battery of 250 mM ammonium sulfate is typically used, however higher concentrations of ammonium sulfate is also used to achieve increased drug loading capacity and drug retention.

### Specifications

Product code: F20204A

Lipid composition: HSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol)

Mean particle size: 100 nm (95 - 120 nm)

Lipid concentration: 60 mM (60 - 65 mM)

Hydration buffer (loading battery): 250 mM ammonium sulfate

External solution: 10% sucrose, pH 5.5 -6.0

HSPC: hydrogenated phosphatidylcholine (Soy)

CHOL: cholesterol

mPEG2000-DSPE: 18:0 PEG2000 PE:1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)