

## CERTIFICATE OF ANALYSIS

Caution: The product is for research only, not for human use!

DESCRIPTION: Plain Liposomes  
CATALOGUE #: F10103  
BATCH #: 04151101  
DATE OF PRODUCTION: 04/15/2011  
LIPID COMPOSITION: DSPC/CHOL (55:45 mol/mol)  
TRANSMEMBRANE GRADIENT: None

### ANALYTICAL DATA:

Lipid conc.:  $60.0 \pm 2.0$  mM ( $36.5 \pm 1.2$  mg/mL) (Steward assay)  
DSPC:  $26.0 \pm 1.0$  mg/mL  
Cholesterol:  $10.5 \pm 0.3$  mg/mL  
Particle size (ZetaPALS): Mean diameter:  $87.3 \pm 0.5$  nm; Half-width:  $26.3 \pm 2.0$  nm; Polydispersity:  $0.09 \pm 0.01$   
Bulk solution: 10wt % sucrose, 20 mM HEPES, pH 6.7,  
Ethanol <10 %

FORM/COLOR: Translucent, free flow liposomes. No visible particles/aggregates with naked eye or under microscope  
STABILITY: Product is sterile filtered (0.2µm). Free from bacteria growth for at least 3 month for unopened vials stored at 2 - 8 °C.  
Store at 2-8 °C. Warm to room temperature and mix before use.

METHOD OF PRODUCTION: Ethanolic lipids were hydrated with 10% sucrose, 20mM HEPES (Milli-Q water). Down-size was achieved by extrusion. Ethanol was not removed.

DSPC: 1,2-distearoyl-sn-glycero-3-phosphocholine  
CHOL: Cholesterol

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