

CERTIFICATE OF ANALYSIS

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

DESCRIPTION: Plain DPPC/CHOL/mPEG-DSPE Liposomes
CATALOGUE #: F10202
BATCH #: 07302102
LIPID COMPOSITION: DPPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol)

ANALYTICAL DATA:

Lipid conc.: 60.0 ± 1.0 mM (40.8 ± 0.7 mg/mL) (Stewart assay)
DPPC: 22.0 ± 0.4 mg/mL
Cholesterol: 10.4 ± 0.2 mg/mL
mPEG2000-DSPE: 8.4 ± 0.1 mg/mL

Particle size (ZetaPALS): Mean diameter: 95.3 ± 1.6 nm; Half-width: 13.0 ± 3.8 nm; Polydispersity: 0.02 ± 0.01

Bulk solution: 10% sucrose, 20 mM HEPES, pH 7.4, Ethanol < 10 % (v/v)

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 6 months for unopened vials stored at 2 – 8 °C. Warm to room temperature and mix well before use.

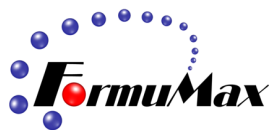
METHOD OF PRODUCTION:

Ethanol lipids were hydrated 10% sucrose, 20 mM HEPES, pH 7.4 solution. Size reduction was achieved by extrusion. The ethanol was not removed during production.

DPPC: 16:0 PC, 1,2-dipalmitoyl-sn-glycero-3-phosphocholine

CHOL Cholesterol

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



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EXPIRATION DATE: 06/30/2022
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