



## FormuMax Products: Preformed Liposomes

- High quality and concentrated preformed liposomes ready to use to save time, cost and increase productivity.
- Prepared from the highest quality lipids only from premier suppliers.
- Prepared to the highest quality by experienced formulators using well established methodologies.
- Sterile filtered to ensure long-term stability.

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### Preformed liposomes with pH gradient for active loading of weak base compounds

This series of liposome reagents come with the external citric acid unexchanged, which is the preferred way for many users, since it give them the opportunity to control the timing of the pH gradient generation. The pH gradient is typically established by adding Na carbonate (1 M). We can also customized the external buffer solution to your requirement as indicated in the table.

Catalog No	Lipid Composition	Internal buffer	External buffer	Lipid Concentration (mM)	Mean Particle size (nm)	Volume (mL)	Unit Price (US\$)
FSI-30201CA-0002	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	99.00
FSI-30201X-0002	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	137.00
FSI-30201CA-0005	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	173.00
FSI-30201X-0005	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	239.00
FSI-30201CA-0010	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	296.00
FSI-30201X-0010	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	409.00
FSI-30201CA-0100	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	1,969.00
FSI-30201X-0100	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	2,749.00
FSI-30202CA-0002	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	99.00
FSI-30202X-0002	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	139.00
FSI-30202CA-0005	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	176.00
FSI-30202X-0005	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	244.00
FSI-30202CA-0010	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	299.00
FSI-30202X-0010	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	419.00
FSI-30202CA-0100	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	2,009.00
FSI-30202X-0100	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	2,789.00
FSI-30203CA-0002	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	119.00
FSI-30203X-0002	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	159.00
FSI-30203CA-0005	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	209.00
FSI-30203X-0005	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	276.00
FSI-30203CA-0010	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	356.00
FSI-30203X-0010	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	474.00

FSI-30203CA-0100	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	2,379.00
FSI-30203X-0100	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	3,159.00
FSI-30204CA-0002	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	124.00
FSI-30204X-0002	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	163.00
FSI-30204CA-0005	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	217.00
FSI-30204X-0005	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	285.00
FSI-30204CA-0010	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	369.00
FSI-30204X-0010	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	489.00
FSI-30204CA-0100	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	2,479.00
FSI-30204X-0100	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	3,249.00
FSI-30101CA-0002	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	94.00
FSI-30101X-0002	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	133.00
FSI-30101C-0005	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	165.00
FSI-30101X-0005	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	233.00
FSI-30101C-0010	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	283.00
FSI-30101X-0010	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	399.00
FSI-30101C-0100	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	1,879.00
FSI-30101X-0100	DSPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	2,659.00
FSI-30102C-0002	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	2	85.00
FSI-30102X-0002	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	2	124.00
FSI-30102C-0005	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	5	149.00
FSI-30102X-0005	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	5	217.00
FSI-30102C-0010	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	10	256.00
FSI-30102X-0010	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	10	369.00
FSI-30102C-0100	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	300mM Citric acid (pH 4.0)	100	100 ± 10	100	1,699.00
FSI-30102X-0100	EPC/CHOL (67/33 mol/mol)	300mM Citric acid (pH 4.0)	per customer's request	100	100 ± 10	100	2,479.00