



FormuMax Products: Preformed Liposomes

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- 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 ammonium gradient for active loading of weak base compounds

This series of liposome reagents come with the external ammonium sulfate unexchanged, which is the preferred way for many users, since it give them the opportunity to control the establishment of the transmembrane ammonium gradient. The ammonium gradient is typically established by dialysis (or diafiltration) against a desired buffer solution (typically of pH 5-7). We can also customized the external buffer solution to your requirements 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-20201AS-0002	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	99.00
FSI-20201X-0002	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	139.00
FSI-20201AS-0005	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	173.00
FSI-20201X-0005	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	239.00
FSI-20201AS-0010	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	299.00
FSI-20201X-0010	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	409.00
FSI-20201AS-0100	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	1,969.00
FSI-20201X-0100	DPPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	2,749.00
FSI-20202A-0002	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	99.00
FSI-20202H-0002	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	139.00
FSI-20202A-0005	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	175.00
FSI-20202H-0005	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	243.00
FSI-20202A-0010	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	299.00
FSI-20202H-0010	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	419.00
FSI-20202A-0100	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	1,999.00
FSI-20202H-0100	DSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	2,789.00
FSI-20203A-0002	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	99.00
FSI-20203H-0002	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	139.00
FSI-20203A-0005	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	175.00
FSI-20203H-0005	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	243.00

FSI-20203A-0010	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	299.00
FSI-20203H-0010	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	416.00
FSI-20203A-0100	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	1,999.00
FSI-20203H-0100	HSPC/CHOL/mPEG2000-DSPE (50/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	2,769.00
FSI-20204A-0002	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	112.00
FSI-20204H-000	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	159.00
FSI-20204A-0005	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	195.00
FSI-20204H-0005	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	276.00
FSI-20204A-0010	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	336.00
FSI-20204H-0010	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	474.00
FSI-20204A-0100	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	2,239.00
FSI-20204H-0100	20:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	3,159.00
FSI-20205A-0002	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	117.00
FSI-20205H-0002	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	163.00
FSI-20205A-0005	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	204.00
FSI-20205H-0005	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	285.00
FSI-20205A-0010	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	349.00
FSI-20205H-0010	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	488.00
FSI-20205A-0100	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	2,329.00
FSI-20205H-0100	22:0PC/mPEG2000-DSPE (95/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	3,249.00
FSI-20206A-0002	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	94.00
FSI-20206H-0002	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	139.00
FSI-20206A-0005	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	165.00
FSI-20206H-0005	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	245.00
FSI-20206A-0010	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	282.00
FSI-20206H-0010	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	419.00
FSI-20206A-0100	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	1,879.00
FSI-20206H-0100	HSPC/CHOL/mPEG2000-DSPE (56.2/38.5/5.3 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	2,799.00
FSI-20207A-0002	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	2	89.00
FSI-20207H-0002	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	2	135.00

FSI-20207A-0005	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	5	155.00
FSI-20207H-0005	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	5	236.00
FSI-20207A-0010	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	10	266.00
FSI-20207H-0010	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	10	404.00
FSI-20207A-0100	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	Ammonium Sulfate (250 mM)	100	100 ± 10	100	1,769.00
FSI-20207H-0100	PHSPC/CHOL/mPEG2000-DSPE (56/45/5 mol/mol)	Ammonium Sulfate (250 mM)	per customer request	100	100 ± 10	100	2,699.00