

Name	Product	Quantity	Manufacturer	Catalog #	Price	Link	Activity	Note
Reagents and consumables								
Liss Rhod PE (16:0)		1x	Avanti Lipids	810158C-1mg	\$281.67	[link]		
PURExpress		4x	NEB	E6800S	\$295.00	[link]		
POPC		1x	Avanti Lipids	850457C-500mg	\$435.00	[link]		
95% Ethanol		~100 mL						Mol bio grade
PCR strip tubes with lids		20 strips						For assembling PURE reactions
1.5 mL Eppendorf tubes		~50						For assembling PURE reactions
Falcon tubes		~10 each						For assembling phase transfer liposomes
Pipette Tips								For p10, p100, p200, p1000
1M HEPES-KOH pH 7.6			FisherSci	NC1584172	\$108.86	[link]		
Grenier 384-well SV microplates	2x (plates)		FisherSci	07-000-065	\$14.23	[link]		
Ibidi 18-well flat u-slide	3x		FisherSci	50-305-825	\$20.23	[link]		Microscope slides
Mineral Oil	1x		Thermo Scientific	AC415080010	\$82.23	[link]		
20 mM HPTS	1 mL							This will be a premade solution for buffer-in-buffer liposomes
1.5 mL glass storage vial	8x							For storage of lipid in oil
Stickers for 1.5 mL glass storage vial	8x							For storage of lipid in oil
Total consumable cost					1237.2			
Equipment								
Ice buckets		4x					Basics	For assembling PURE reactions
Pipettes		4x					Basics	p10, p100, p200, p1000
PCR tube rack		4x					Basics	For assembling PURE reactions
Aluminum foil							Liposomes	For evaporating chloroform in lipid prep
Microcentrifuge tube rack		4x					Liposomes	For washboarding during liposome prep
Microwave							Buffers	To heat water for sugar buffers
Balance		1x					Buffers	1-50 g scale
Microscope							Measurement	Motorized stage, Green (485/520 nm) and Yellow/Red (550/610 nm) filters.
10x Lens		1x					Measurement	Mapping / Focus
20x Lens		1x					Measurement	Mapping / Imaging
40x Lens		1x					Measurement	Imaging
Plate Reader		1x					Measurement	Biotek Synergy
External Hard Drive		1x					Measurement	For data transfer from microscope
IR thermometer							Liposomes	To measure hot plate temperature for lipid in oil prep
10 mL glass beaker		5x					Liposomes	For lipid in oil prep
1.5 mL glass storage vial		8x					Liposomes	For storage of lipid in oil
Stickers for 1.5 mL glass storage vial		8x					Liposomes	For storage of lipid in oil
250 mL glass syringe		1x					Liposomes	For lipid in oil prep
10 uL glass syringe		1x					Liposomes	For lipid in oil prep