

Materials List for:

Isolating and Incorporating Light-Harvesting Antennas from Diatom *Cyclotella Meneghiniana* in Liposomes with Thylakoid Lipids

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Materials

Name	Company	Catalog Number	Comments
500 ml centrifuge vials			
high speed centrifuge	Heraeus		
Bead Mill VI 2	Edmund-Bühler (edmund-buehler.de)		newer version: Vibrogen-Zellmühle VI 6
Silibeads S 400 µm	Sigmund-Lindner.com	5223-7	
Silibeads S 1,-1,3 mm	Sigmund-Lindner.com	4504	
VitraPOR filter funnel - por1	ROBU GmbH	21121	
polycarbonate ultracentrifugation vials (30 mL) for T-865	BeraneK Laborgeräte (Laborgeraete-beranek.de)	314348	
Ultracentrifuge Discovery 90SE	Sorvall	n.a.	
rotor T 865	ThermoFisher Scientific (thermofisher.com)	51411	
Neubauer Cell Counter Chamber (improved)	Carl Roth Laborbedarf (Carlroth.com)	T729.1	
Zeiss Mikroskop Primostar (7)	Optik-Pro (optik-pro.de)	51428	
optical glass cuvettes (6040-OG)	Hellma Analytics (hellma-analytics.com)	"6040-10-10"	
V-630 UV-VIS Spectrophotometer (incl. software)	Jasco (jasco.de)	V-630	
n-Dodecyl-β-D-Maltopyranoside	ANATRACE (anatrace.com)	D310LA	
Ultra-Clear tubes 17 ml for AH629	BeraneK Laborgeräte (Laborgeraete-beranek.de)	344061	
rotor AH629-17-mL	ThermoFisher Scientific (thermofisher.com)	54285	
Membrane concentrator_Centriprep 30 kDa cutoff	Millipore (merckmillipore.com)	4307	
Biometra Minigel-Twin	Analytik Jena AG (analytik-jena.de)	846-010-100	
Silver Stain Plus Kit	Bio-Rad (bio-rad.com)	1610449	
libre office spread sheet	The document foundation	https://de.libreoffice.org/download/libreoffice-still/	
special glass cuvettes for fluorescence (101-0S)	Hellma Analytics (hellma-analytics.com)	101-10-20	
Spectrofluorometer FP-6500 (incl. Software)	Jasco (jasco.de)	FP-6500	
SDS-loading buffer Roti-Load	ROTH (carlroth.com)	K929.1	
n-octyl β-D-glucopyranoside	ANATRACE (anatrace.com)	O311	
Monogalactosyl Diacylglycerol (MGDG)	Larodan AB (larodan.com)	59-1300	make stock solution in chloroform

Digalactosyl Diacylglycerol (DGDG)	Larodan AB (larodan.com)	59-1310	make stock solution in chloroform
Sulphoquinovosyl Diacylglycerol (SQDG)	Larodan AB (larodan.com)	59-1230	make stock solution in chloroform
L-alpha-Phosphatidylglycerol (PG)	Larodan AB (larodan.com)	37-0150	make stock solution in chloroform
L-α-Phosphatidylcholine	Sigma-Aldrich (sigmaaldrich.com)	P3782 SIGMA	make stock solution in chloroform
sonicator bath S-50TH	Sonicator (getmedonline.com)	SONICOR-S-50TH	
mini-Extruder	Avanti Polar Lipids (Avanti.com)	610000	
Nucleopore polycarbonate membrane	Avanti Polar Lipids (Avanti.com)	610005	
dialysis membrane Visking 14 kDa cutoff	ROTH (carlroth.com)	0653.1	boil in distilled water before use
Biobeads SM2 Adsorbent	Biorad (Bio-rad.com)	152-3920	
sucrose epichlorhydrin copolymer - Ficoll 400	Sigma-Aldrich (sigmaaldrich.com)	F4375	
Polycarbonate ultracentrifugation vials (2.7 mL) for TFT 80.4	Beraneck Laborgeräte (Laborgeraete-beraneck.de)	252150	
rotor TFT 80.4	Millipore (merckmillipore.com)	54356	
material listed in order of appearance			<i>For specific safety instructions please refer to material safety sheets and respective manuals. Standard lab material and substances are not listed.</i>