Materials List for

Analysis of Neutral Lipid Synthesis in *Saccharomyces cerevisiae* by Metabolic Labeling and Thin Layer Chromatography

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jove.com/video/62201

Materials

Name	Company	Catalog Number	Comments
[1-C14] Acetic acid sodium salt specific activity: 45-60mCi	PerkinElmer	NEC084H001MC	
18:1 1,2 dioleoyl-sn-glycerol	Avanti	800811O	
200 proof absolute ethanol	Sigma	459836	
Acid washed glass beads 425-600um	Sigma	G8772	
Amber bulbs for Pastuer pipettes	Fisher	03-448-24	
Ammonium Sulfate>99%	Sigma	A4418	
Beckman LS6500 scintillation counter	PerkinElmer	A481000	
Chloroform (HPLC grade)	Fisher	C607SK	
Cholesterol>99%	Sigma	C8667	
Cholesteryl-linoleate>98%	Sigma	C0289	
Concentrated sulfuric acid	Sigma	339741	
Corning 50mL conical tubes, polypropylene with centristar cap	Sigma	CLS430829	
Dextrose, anhydrous grade	Sigma	D9434	
Diethyl ether anhydrous grade	Sigma	296082	
Drying oven	Fisher	11-475-155	
EcoLume scintillation liquid	VWR	IC88247001	
Eppendorf 5424R centrifuge	Fisher	05-401-205	
GE Storage phosphor screen	Sigma	GE28-9564-75	
GE Typhoon FLA9500 imager			
Glacial acetic acid, ACS grade	Sigma	695092	
Glass 6mL scintillation vials	Sigma	M1901	
Glass centrifuge tube caps	Fisher	14-595-36A	
Glass centrifuge tubes	Fisher	14-595-35A	
Glass Pasteur pipette	Fisher	13-678-20C	

Hexane, anhydrous grade	Sigma	296090	
L-Adenine>99%	Sigma	A8626	
L-Alanine>98%	Sigma	A7627	
L-Arginine>99%	Sigma	A1270000	
L-Asparagine>98%	Sigma	A0884	
L-Aspartate>98%	Sigma	A9256	
L-Cysteine>97%	Sigma	W326305	
L-Glutamic acid monosodium salt monohydrate>98%	Sigma	49621	
L-Glutamine>99%	Sigma	G3126	
L-Glycine>99%	Sigma	G8898	
L-Histidine>99%	Sigma	H8000	
L-Isoleucine>98%	Sigma	I2752	
L-Leucine>98%	Sigma	L8000	
L-Lysine>98%	Sigma	L5501	
L-Methionine, HPLC grade	Sigma	M9625	
L-Phenylalanine, reagent grade	Sigma	P2126	
L-Proline>99%	Sigma	P0380	
L-Serine>99%	Sigma	S4500	
L-Theronine, reagent grade	Sigma	T8625	
L-Tryptophan>98%	Sigma	T0254	
L-Tyrosine>98%	Sigma	T3754	
L-Uracil>99%	Sigma	U0750	
L-Valine>98%	Sigma	V0500	
Methanol, ACS grade	Fisher	A412	
Oleic acid>99%	Sigma	O1008	
p-anisaldehyde	Sigma	A88107	
Petroleum ether, ACS grade	Sigma	184519	
Phosphatidylcholine, dipalmitoyl>99%	Sigma	P1652	
Pipettes	Eppendorf	2231000713	
Potassium chloride, ACS grade	Sigma	P3911	
Sodium Hydroxide pellets, certified ACS	Fisher	S318-100	
Squalene>98%	Sigma	S3626	
Succinic Acid crystalline/certified	Fisher	110-15-6	
TLC saturation pad	Sigma	Z265225	
TLC silica gel 60G glass channeled plate	Fisher	NC9825743	No fluorescent indicators
Transparency plastic film	Apollo	829903	
Tricine	Sigma	T0377	
Triolein>99%	Sigma	T7140	
Vortex mixer	Fisher	02-215-414	
Whatman exposure cassette	Sigma	WHA29175523	
Yeast nitrogen base without ammonium sulfate and amino acids	Sigma	Y1251	