

Materials List for:

Mass Spectrometric Analysis of Glycosphingolipid Antigens

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Materials

Name	Company	Catalog Number	Comments
1,2 Dichloro-ethane	Sigma-Aldrich	34872	Carcinogenic
Acetic acid	VMR	JT9524-0	
Acetic anhydride	Fluka	45830	
Acetone	Fischer	A18P-4	
Chloroform	Fischer	C606-1	Carcinogenic
DEAE Sephadex A25 (Cl Form)	GE Healthcare Biosciences	AB 17—170-01	100 gram
Decane (anhydrous):	Sigma-Aldrich	457116	100 ml
Dichloroacetic acid	Sigma	D54702	Carcinogenic
Dialysis cassette	Fischer(Pierce)	66110	Slide-A-Lyzer, 3500 MWCO, 3-12 ml
DMSO	Thermo Scientific	20684	
Ethyl acetate	Fischer	UN1173	
Florisil	Fluka	46384	for packing chromatography column
Hexanes	EMD	HX0290-6	
Iodomethane	Riedel de Haen, Germany	03810	stabilized with silver foil Carcinogenic
Methanol	VWR/EMD	MXO475-1	
Neutral glycosphingolipid Qualmix	Matreya	1505	
Monosialoganglioside mixture	Matreya	1508	
Disialoganglioside mixture	Matreya	1509	
Lactosyl ceramide and sialosyl derivatives	Matreya	1510	
Gangliosyl ceramide and sialosyl derivatives	Matreya	1511	
Pasteur pipettes	Fischer	13-678-6A	9"
Pyridine:	Sigma	270407	
Sodium Hydroxide:	BDH	0292	500 gram
Sodium methoxide	Sigma	404367	0.5 M solution in methanol
Toluene	J.T. Baker	9351-03	4 L
Pasteur pipettes	Fischer	13-678-6A	9"
Fiber glass (glass wool)	Corning Incorporated	3950	Pyrex 9989 glass
12x75 mm glass tubes	Fischer	14-962-10B	
Calibrated pipettes (100 microliter)	VMR	53432-921	

16x100 mm disposable borosilicate tubes x1,000	Fischer	14-961-29	With screw caps
Caps for glass tubes	Kimble	40566C	size/13-415
Merck TLC plates	Sigma	Z 29, 301-6	
Glass tank for TLC	Sigma	Z 12,619-5	
Drummond Microcaps	Drummond scientific company	1-000-0100	10 µl, for loading of TLC samples
Sunrise Microplate Absorbance Reader	Tecan	A-5082	
Whatman Chromatography Paper	Fischer	05-716-3E	18 cm x 34 cm For TLC Tank
Orcinol ferric chloride spray reagent	Sigma	O7875	For detecting glycosphingolipids on TLC plates
Prevel Spray Unit	Sigma	Z 36,555-6	
Sonicator	Fischer	FS20	
Centrifuge	Sorvall	Legend RT	
Speedvac	Savant	AS160	With chemical trap for organic solvents
MALDI TOF-TOF Mass spectrometer	Applied Biosystems	Proteomics 4700	
Ion Trap Mass spectrometer	Thermo	LTK	