

Materials List for:

Isolation and Biophysical Study of Fruit Cuticles

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Materials

Name	Company	Catalog Number	Comments
Sodium acetate trihydrate	Sigma-Aldrich	S8625-500G	
Pectinase	TCI America	P0026	EC 3.2.1.15; 10 U ml ⁻¹ , store in refrigerator
Cellulase	Sigma-Aldrich	C1184-100KU	EC232.734.4; 1.3 units/mg, store in refrigerator
Glacial Acetic acid	Sigma-Aldrich	A9967	
Sodium azide	Sigma-Aldrich	S2002-100G	Extremely hazardous
Incubator/shaker	New Brunswick Scientific	Model No.G24	MFG No.M1036-000G
Vacuum Oven	Precision Scientific	31566	
Variac Controller			
Sintered glass thimble (85 mm/25mm)	VWR international	89056	
Disposable extraction thimble (80 mm/ 25 mm)	VWR international	28320	
Methanol	VWR international	EMD-MX0485-7	
Glass wool	VWR international	RK20789	
Aluminum foil	Fisher Scientific	01-213-100	
Tweezers	VWR international	82027-452	
Chloroform	VWR international	EM-CX1050-1	
Hexane	Fisher Scientific	H302-4	
Nitrogen gas			
Parafilm	VWR international	52858	
Paper towels	VWR international	89002-984	
Kim wipes	VWR international	21905-026	
Gum arabic	Sigma-Aldrich	G9752	
1.6 mm fastMAS zirconia rotor	Varian Inc., Agilent		
NMR spectrometer	Varian Inc., Agilent	standard bore magnet	
Glycine	Sigma-Aldrich	50046	Model compound for CPMAS
Glutamine	Sigma-Aldrich	49419	Model compound for CPMAS
Adamantane	Sigma-Aldrich	100277	To calibrate 90° pulse in NMR
Multimode Scanning Probe Microscope (Nanoscope IIIA)	Digital Instruments		
Nanoscope software	Digital Instruments		Version 5.30r3sr3 (2005)
AFM probe (Nonconductive silicon nitride tip)	Veeco Instruments, Inc.	Model NP-20	
Light microscope	Digital Instruments		
Magnetic puck	Digital Instruments		

Double sided tape	VWR international		
Fruit Peeler			
Büchner funnel	VWR international	89038	