

Materials List for:

Preparation of Fungal and Plant Materials for Structural Elucidation Using Dynamic Nuclear Polarization Solid-State NMR

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Materials

Name	Company	Catalog Number	Comments
Ammonium Molybdate Tetrahydrate	Acros Organics	12054-85-2	
AMUPol	Cortecnet	C010P002	
Analytical weighing balance	Ohaus	B730439218	Model PA84C
Bioclave 16 L	VWR	470230-598	
Biosafety Cabinet	Labconco corporation	302319100	
Boric acid	VWR	BDH9222	store at 15-30 °C
Cobalt(II) Chloride Hexahydrate	Honeywell Fluka	60820	≥98 %
Copper(II) Sulfate Pentahydrate	BDH	BDH9312	≥98 %
Corning LSE shaking incubator	Thermo Fisher Scientific	7202152	
D ₂ O	Sigma Aldrich	151882	99.9 atom % D
d ₆ -DMSO	Sigma Aldrich	151874	99.9 atom % D
d ₈ -glycerol	Sigma Aldrich	447498	≥99 atom % D
Dialysis tubing 3.2 kDa	Sigma Aldrich	D2272	132724
Dipotassium Phosphate	VWR	BDH9266	≥98 %
Glycerol	Sigma Aldrich	G5516	≥99.5 %
Heraeus Megafuge 16R Centrifuge	Thermo Fischer Scientific	750004271	Maximum RCF 25,830 x g
HR-MAS Disposable Insert Kit	Bruker	B4493	Kel-F
Iron(II) Sulfate Heptahydrate	Alfa Aesar	14498	≥99+ %
Magnesium Sulfate Heptahydrate	VWR	10034998	store at 18-26 °C
Manganese(II) Chloride Tetrahydrate	Alfa Aesar	11563	≥99 %
Monopotassium Phosphate	VWR	470302-254	≥99 %
pH Meter	Mettler Toledo	B706689216	
Tetrasodium Ethylenediaminetetraacetate	Acros Organics	13235-36-9	≥99.5 %
Zinc Sulfate Heptahydrate	Alfa Aesar	33399	≥98 %
¹² C3, d ₈ -glycerol	Cambridge Isotope Laboratory	CDLM-8660	¹² C3, 99.95%; D8, 98%
¹³ C6-glucose	Sigma Aldrich	364606	≥99 % (CP)
¹⁵ N-sodium nitrate	Sigma Aldrich	364606	≥98 % ¹⁵ N, ≥99 (cp)
3.2 mm sapphire NMR rotor	Cortecnet	B6939	
3.2 mm Silicone plug	Bruker	B7089	

4 mm MAS Rotor Kit	Bruker	H14355	Zirconia
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