

Materials List for:

Sequencing of Plant Wall Heteroxylans Using Enzymic, Chemical (Methylation) and Physical (Mass Spectrometry, Nuclear Magnetic Resonance) Techniques

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URL: <https://www.jove.com/video/53748>

DOI: [doi:10.3791/53748](https://doi.org/10.3791/53748)

Materials

Name	Company	Catalog Number	Comments
2 aminobenzamide (2AB)	Sigma-Aldrich (www.sigmaaldrich.com)	A89804	
sodium borohydride (NaBH ₄)	Sigma-Aldrich (www.sigmaaldrich.com)	247677	Hazardous, handle with care
sodium cyanoborohydride (NaBH ₃ CN)	Sigma-Aldrich (www.sigmaaldrich.com)	156159	Hazardous, handle with care
endo-1,4-β-Xylanase M1 (from <i>Trichoderma viride</i>) (120101a)	Megazyme (www.megazyme.com)	E-XYTR1	
Deuterium Oxide (D ₂ O)	Sigma-Aldrich (www.sigmaaldrich.com)	151882	
Freeze dryer (CHRIST-ALPHA 1-4 LD plus)			
RP C18 Zorbax eclipse plus column	Agilent		(2.1×100 mm; 1.8 μm bead size)
MicroFlex MALDI-TOF MS (Model - MicroFlex LR)	(Bruker Daltonics, Germany)		
(ESI) -(QTOF) MS (Model # 6520)	(Agilent, Palo Alto, CA)		
ESI-MS ⁿ - ion-trap (Model # 1100 HCT)	(Agilent, Palo Alto, CA).		
Bruker Avance III 600 MHz -NMR	Bruker Daltonics, Germany		
Topspin (version 3.0)-Biospin-software	Bruker		
GC-MS (Model # 7890B)	Agilent		