

Materials List for:

MALDI-Mass Spectrometric Imaging for the Investigation of Metabolites in *Medicago truncatula* Root Nodules

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Materials

Name	Company	Catalog Number	Comments
Gelatin	Difco	214340	heat to dissolve
Cryostat- HM 550	Thermo Scientific	956564A	
Indium tin oxide (ITO)-coated glass slides	Delta Technologies	CB-90IN-S107	25 mm x 75 mm x 0.8 mm (width x length x thickness)
2,5-Dihydroxybenzoic acid (DHB) matrix	ICN Biomedicals	PI90033	
Airbrush	Paasche Airbrush Company	TG-100D	coupled with 75 ml steel container
Automatic matrix sprayer system- TM-Sprayer	HTX Technologies, LLC	HTX.TMSP.H021-U	Specific start-up and shut-down instructions will be given when the instrument is installed
Sublimation apparatus	Chemglass Life Science	CG-3038-01	
Vacuum pump- Alcatel 2008 A	Ideal Vacuum Products	P10976	Ultimate Pressure = 1×10^{-4} Torr
ultrafleXtreme MALDI-TOF/TOF	Bruker Daltonics	276601	
FlexImaging	Bruker Daltonics	269841	One example of "vender specific software"
MALDI LTQ Orbitrap	Thermo Scientific	IQLAAEGAAPFADBMAZ	High resolution MALDI instrument for accurate mass measurements
Q Exactive	Thermo Scientific	IQLAAEGAAPFALGMAZR	High resolution LC-MS instrument for accurate mass measurements