

Materials List for:

Sublimation of DAN Matrix for the Detection and Visualization of Gangliosides in Rat Brain Tissue for MALDI Imaging Mass Spectrometry

Sarah Caughlin¹, Dae Hee Park¹, Ken K-C Yeung², David F. Cechetto¹, Shawn N. Whitehead¹

¹Department of Anatomy and Cell Biology, The University of Western Ontario

²Department of Chemistry and Biochemistry, The University of Western Ontario

Correspondence to: Shawn N. Whitehead at shawn.whitehead@schulich.uwo.ca

URL: <https://www.jove.com/video/55254>

DOI: [doi:10.3791/55254](https://doi.org/10.3791/55254)

Materials

Name	Company	Catalog Number	Comments
Sublimator	Chemglass Life Sciences	CG3038-01	
1,5-Diaminonaphthalene (DAN) matrix	Sigma-Aldrich	D21200	100 G
Cryostat	Thermo-Fisher Scientific		CryoStar NX50
Hot plate with temperature feedback	Thermo-Fisher Scientific	HP88857290	Isotemp ADVD 7x7 HP 100 - 120 V
Stainless Steel Jack	Thermo-Fisher Scientific	2216479	10x10
Cold Trap			Custom built on site
Vacuum Pump	Franklin Electric	1102180403	Savant VP100 Two Stage
Indium-tin-oxide (ITO) Slides	Hudson Surface Technology	PSI 1111000	type II, 1.1 mm/25 each
MALDI TOF/TOF 5800 Instrument	AB Sciex		
Desiccator	Sigma-Aldrich	D2797	tabletop desiccator