

Sample Preparation for Rapid Lipid Analysis in *Drosophila* Brain Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging

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Materials

Name	Company	Catalog Number	Comments
2,5-Dihydroxybenzoic acid (DHB)	Millipore Sigma Aldrich	85707-1G-F	
Andwin Scientific CRYOMOLD 15X15X5	Fisher Scientific	NC9464347	
Andwin Scientific Tissue-Tek CRYO-OCT Compound	Fisher Scientific	14-373-65	
Artist brush MSC #5 1/8 X 9/16 TRIM RED SABLE	Fisher Scientific	50-111-2302	
autoflex speed MALDI-TOF MS system	Bruker Daltonics Inc		MALDI-TOF MS instrument
BD Syringe with Luer-Lok Tips	Fisher Scientific	14-823-16E	
BD Vacutainer General Use Syringe Needles	Fisher Scientific	23-021-020	
Bruker Daltonics GLASS SLIDES MALDI IMAGNG	Fisher Scientific	NC0380464	
Drierite, with indicator, 8 mesh, ACROS Organics		AC219095000	
Epson Perfection V600 Photo Scanner	Amazon	Perfection V600	
Fisherbrand 5-Place Slide Mailer	Fisher Scientific	HS15986	
Fisherbrand Digital Auto-Range Multimeter	Fisher Scientific	01-241-1	
FlexImaging v3.0	Bruker Daltonics Inc		Bruker MS imaging analysis software
HPLC Grade Methanol	Fisher Scientific	MMX04751	

HPLC Grade Water	Fisher Scientific	W5-1	
HTX M5 Sprayer	HTX Technologies, LLC		Automatic heated matrix sprayer
Kimberly-Clark Professional Kimtech Science Kimwipes Delicate Task Wipers	Fisher Scientific	06-666A	
MSC Ziploc Freezer Bag	Fisher Scientific	50-111-3769	
SCiLS Lab (2015b)	SCiLS Lab		Advanced MALDI MSI data analysis software
Thermo Scientific CryoStar NX50 Cryostat	Fisher Thermo Scientific	95-713-0	
Thermo Scientific Nalgene Transparent Polycarbonate Classic Design Desiccator	Fisher Scientific	08-642-7	