

Materials List for:

Imaging of Biological Tissues by Desorption Electrospray Ionization Mass Spectrometry

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URL: <https://www.jove.com/video/50575>

DOI: [doi:10.3791/50575](https://doi.org/10.3791/50575)

Materials

Name	Company	Catalog Number	Comments
Reagents			
Tissue-Tek O.C.T. Compound	Sakura-Finetek	4583	http://www.sakuraeu.com/products/showitem.asp?cat=11&subcat=48
Acetonitrile	EMD	AX0156-6	OmniSolv, LC-MS Grade
Acetic Acid	Sigma Aldrich	695092-500 ml	
Equipment			
Cryostat microtome	Thermo Scientific	CryoStar* NX70	Any available microtome can be used for tissue sectioning http://www.thermoscientific.com/ecomm/servlet/productsdetail?productId=13958375&groupType=PRODUCT8
Omni Spray@DESI Spray Head	Prosolia Inc.		Can also use the 2-D Omni Spray® Source kit instead of assembling components of imaging experiment http://www.prosolia.com/sources.php
High Voltage Power Supply	Stanford Research Systems, Inc.	PS350/5000V-25W	http://www.thinksrs.com/products/PS300.htm
Rope heater, RTD, controller	Omega		http://www.omega.com/toc_asp/subsectionSC.asp?subsection=M02&book=Heaters
Labview	National Instruments	Version 7.1	
Translational stage	Prior Scientific	Optiscan II	http://www.prior.com/productinfo_auto_motorized_optiscan.html
AccuTOF Mass Spectrometer	JEOL	JMS-T100LC	Can use any mass spectrometer equipped with an extended capillary atmospheric pressure interface