

Materials List for:

# Whole-body Mass Spectrometry Imaging by Infrared Matrix-assisted Laser Desorption Electrospray Ionization (IR-MALDESI)

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## Materials

Name	Company	Catalog Number	Comments
IR-MALDESI Source	Custom-made	N/A	Please refer to references 4 and 12 for an in-depth discussion of IR-MALDESI source development.
Q Exactive Plus	Thermo Scientific		Q Exactive Plus Hybrid Quadrupole-Orbitrap Mass Spectrometer
Water, HPLC Grade	Burdick & Jackson	AH365-4	
Methanol, HPLC Grade	Burdick & Jackson	AH230-4	
Formic Acid	Sigma Aldrich	56302	
Tunable mid-IR Laser	Opotek Inc.	IR Opolette	Tunable 2,700-3,100 nm IR OPO laser
Nitrogen Gas	Arc3 Gases	AG S-NI300-5.0	Grade 5.0 high purity nitrogen gas cylinder (300)
Cryostat	Leica Biosystems	CM 1950	Cryomicrotome
High Profile Microtome Blades	Leica Biosystems	3802123	Leica DB80HS
Mounting Medium (OCT)	Leica Biosystems	3801480	Surgipath FSC 22 mounting medium
Cryostat Specimen Disc	Leica Biosystems	14047740045	40 mm diameter
Glass Microscope Slides	VWR	48312-003	Frosted, selected, pre-cleaned