

Laser Microdissection-Based Protocol for the LC-MS/MS Analysis of the Proteomic Profile of Neuromelanin Granules

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Materials

Name	Company	Catalog Number	Comments
1,4-dithiothreitol	AppliChem	A1101	
Acetonitrile	Merck	1.00029.2500	
Ammonium bicarbonate	Sigma-Aldrich	A6141	
Formic acid	Sigma-Aldrich	56302	
Iodoacetamide	AppliChem	A1666,0100	
Micro Tube 500	Carl Zeiss	415190-9221-000	
Orbitrap Fusion Lumos Tribrid mass spectrometer	Thermo Fisher Scientific	IQLAAEGAAPFADMBHQ	
PALM MicroBeam	Zeiss	494800-0014-000	
PEN Membrane slide	Carl Zeiss	415190-9041-000	
<i>substantia nigra pars compacta</i> tissue slices	Navarrabiomed Biobank (Pamplona, Spain)		
Trifluoroacetic acid	Merck	91707	
Trypsin sequencing grade	Serva	37283.01	
Ultimate 3000 RSLC nano LC system	Thermo Fisher Scientific	ULTIM3000RSLCNANO	
Name of Software	Weblink/Company	Version	
FreeStyle	Thermo Fisher Scientific	1.6	
MaxQuant	https://www.maxquant.org/	1.6.17.0	
PALMRobo	Zeiss	4.6 pro	
Perseus	https://www.maxquant.org/perseus/	1.6.15.0	
Skyline	https://skyline.ms/project/home/software/Skyline/begin.view	20.2.0.343	

XCalibur	Thermo Fisher Scientific	4.3	
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