

Materials List for:

LC-MS Analysis of Human Platelets as a Platform for Studying Mitochondrial Metabolism

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Materials

Name	Company	Catalog Number	Comments
Reagent			
Sodium Chloride (NaCl)	Sigma-Aldrich	746398	
Sodium Bicarbonate (NaHCO ₃)	Sigma-Aldrich	S5761	
Calcium Chloride Dihydrate (CaCl ₂ * H ₂ O)	Sigma-Aldrich	223506	
Potassium Chloride (KCl)	Sigma-Aldrich	P9541	
Magnesium Chloride (MgCl ₂)	Sigma-Aldrich	208337	
Glucose	Sigma-Aldrich	G8270	
¹³ C ₆ -Glucose	Sigma-Aldrich	389374	
Palmitic acid	Cayman	10006627	
¹³ C ₁₆ -Palmitic Acid	Sigma-Aldrich	605573	
Rotenone	Sigma-Aldrich	R8875	
Trichloro Acetic Acid	Sigma-Aldrich	T6399	
5-Sulfosalicylic Acid	Sigma-Aldrich	390275	
Acetonitrile	Fischer Scientific	A996-4	(optima)
Water (H ₂ O)	Fischer Scientific	W7-4	(optima)
Formic acid	Fischer Scientific	85171	(optima)
Dimethyl Sulfoxide	Sigma-Aldrich	472301	
Ethanol	Fischer Scientific	04-355-222	
Methanol	Fischer Scientific	A454-4	(optima)
Ammonium Acetate	Fischer Scientific	A639-500	
2 ml Eppendorf Tubes	BioExpress	C-3229-1	
LC vials (plastic)	Waters	186002640	
10 ml Glass Centrifuge Tubes	Kimble Chase	73785-10	
Oasis Solid Phase Extraxtion (SPE) Columns	Waters	WAT094225	
Pastuer Pipets	Fischer Scientific	13-678-200	
Name	Company	Catalog Number	Comments
Equipment			

CO ₂ Water-Jacketed Incubator	Nuaire	AutoFlow NU-8500	
Triple Quadrupole Mass Spectrometer	Thermo Scientific	Finnigan TSQ Quantum	
HPLC	Thermo Scientific	Dionex Ultimate 3000	
Source	Thermo Scientific	HESI II	
HPLC Column	Phenomenex	Luna C18	3 µm particle size, 200 mm x 2 mm