

Materials List for

# Extraction and Quantification of Soluble, Radiolabeled Inositol Polyphosphates from Different Plant Species using SAX-HPLC

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## Materials

Name	Company	Catalog Number	Comments
Centrifuge	Eppendorf AG	model: 5430 R	
Diammonium hydrogen phosphate, ≥97 %	Carl Roth GmbH + Co. KG	0268.1	
Ethylenediamine tetraacetic acid disodium salt dihydrate, ≥99 %, p.a., ACS	Carl Roth GmbH + Co. KG	8043.2	
Falcon 12-well clear flat bottom TC-treated multiwell cell culture plate, with lid, individually wrapped, sterile	Corning Inc.	353043	
Fraction collector	LAMBDA Instruments GmbH	model: OMNICOLL single channel collector	
Growth incubator	poly klima GmbH	model: PK 520-LED	
HPLC pumps	Kontron Instruments	model: 420	
HPLC syringe for Rheodyne valves, 1 mL	Hamilton Company	81365	
Injector for HPLC	Supelco	model: Rheodyne 9725	
Inositol, myo-[1,2-3H(N)]	American Radiolabeled Chemicals Inc.	ART 0261	
Liquid nitrogen	University, Chemistry Department		
Liquid scintillation counter	PerkinElmer Inc	model: TRI-CARB 2900TR	
Micro pestle	Carl Roth GmbH + Co. KG	CXH7.1	
Mixed cellulose Eester filter, ME range (ME 24), plain, 0.2 µm pore size, 47 mm circle	GE Healthcare Life Sciences	10401770	
Mixer for HPLC	Kontron Instruments	model: M 800	
Murashige & Skoog medium, salt mixture	Duchefa Biochemie	M0221	
OriginPro software	OriginLab Corp.		
Orthophosphoric acid, ≥85 %, p.a., ISO	Carl Roth GmbH + Co. KG	6366.1	

Partisphere 5 µm SAX cartridge column, 125 x 4.6 mm	Hichrom Limited	4621-0505	
Perchloric acid, 70 %, 99.999 % trace metals basis	Sigma-Aldrich	311421	
Petri dish, square, PS, clear, 120/120/17 mm, sterile	Greiner Bio One International GmbH	688161	
pH-indicator paper pH 5.5 - 9.0, Neutralit	Merck KGaA	109564	
Phytigel	Sigma-Aldrich	P8169	
Potassium carbonate	Carl Roth GmbH + Co. KG	P743.2	
Safe-Lock tubes, 1.5 mL	Eppendorf AG	30120086	
Sample loop for 9725 injectors, volume 2 mL, PEEK	Supelco	57648	
SNAPTWIST scintillation vial, 6.5 mL	Simport Scientific Inc.	S207-5	
Sterile bench	LaboGene	model: ScanLaf MARS 900	
Sucrose, ≥99,5 %, p.a.	Carl Roth GmbH + Co. KG	4621.1	
Ultima-Flo AP liquid scintillation cocktail	PerkinElmer Inc	6013599	
Ultra-pure deionized water	Milli-Q		
Wrenchless WVS End Fitting Kit	Hichrom Limited	4631-1001	