

Materials List for:

# Radiolabeling and Quantification of Cellular Levels of Phosphoinositides by High Performance Liquid Chromatography-coupled Flow Scintillation

Cheuk Y. Ho<sup>\*1</sup>, Christopher H. Choy<sup>\*1</sup>, Roberto J. Botelho<sup>1</sup>

<sup>1</sup>Department of Chemistry and Biology, Program in Molecular Science, Ryerson University

\*These authors contributed equally

Correspondence to: Roberto J. Botelho at [rbotelho@ryerson.ca](mailto:rbotelho@ryerson.ca)

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## Materials

Name	Company	Catalog Number	Comments
1-Butanol	Biobasic	BC1800	Reagent grade
Ammonium phosphate dibasic	Bioshop	APD001	ACS grade
Ammonium sulfate	Biobasic	ADB0060	Ultra Pure grade
Autosampler	Agilent	G1329B	Agilent 1260 infinity series
Biotin	Sigma	B4501	
Boric acid	Biobasic	BB0044	Molecular biology grade
Calcium Chloride	Biobasic	CT1330	Anhydrous, industrial grade
Calcium pantothenate	Sigma	C8731	
Copper(II) sulfate	Sigma	451657	Anhydrous
D-Glucose	Biobasic	GB0219	Anhydrous, biotech grade
Dulbecco's modification of Eagle's Medium	Life	11995-065	With 4.5 g/L glucose, 110 mg/L pyruvate, L-glutamine
Dulbecco's modification of Eagle's Medium	MP biomedical	0916429	With 4.5 g/L glucose, without L-glutamine, without inositol
EDTA	Biobasic	EB0107	Acid free, ultra pure grade
Ethyl ether	Caledon labs	1/10/4700	Anhydrous, reagent grade
Ethyl formate	Sigma	112682	Reagent grade
Fetal bovine serum	Wisent	080-450	US origin, premium quality, heat inactivated
Fetal Bovine Serum, Dialyzed	Life	26400044	US origin
FlowLogic U	LabLogic Systems Ltd	SG-BXX-05	Scintillation fluid for flow scintillation
Folic acid	Biobasic	FB0466	USP grade
HEPES buffer solution	Life	15630080	1 M solution
Inositol, Myo-[2-3H(N)]	Perkin Elmer	NET114005MC	9:1 ethanol to water
Insulin-Transferrin-Selenium-Ethanolamine	Life	51500056	100x solution
Iron(III) chloride	Sigma	157740	Reagent grade
Laura - Chromatography data collection and analysis software	LabLogic Systems Ltd	Version 4.2.1.18	Flow scintillator software
L-glutamine	Sigma	G7513	200 mM, solution, sterile-filtered, BioXtra, suitable for cell culture
Magnesium Chloride	Sigma	M8266	Anhydrous
Manganese sulfate	Biobasic	MB0334	Monohydrate, ACS grade
Methanol	Caledon labs	6701-7-40	HPLC Grade

Methylamine solution	Sigma	426466	40% (v/v)
Monopotassium phosphate	Biobasic	PB0445	Anhydrous, ACS grade
Nicotinic acid	Biobasic	NB0660	Reagent grade
OpenLAB CSD ChemStation	Agilent	Rev. C.01.03	HPLC software
p-aminobenzoic acid (PABA)	Bioshop	PAB001.100	Free acid
Penicillin-Streptomycin	Sigma	P4333	100X, liquid, stabilized, sterile-filtered, cell culture tested
Perchloric acid	Sigma	244252	ACS reagent, 70%
PhenoSpher SAX column	Phenomenex	00G-315-E0	5 µm, 80 Å, 250 x 4.6 mm
Phosphoric acid	Caledon labs	1/29/8425	Reagent grade
Potassium Chloride	Biobasic	PB0440	ACS grade
Potassium iodide	Biobasic	PB0443	ACS grade
Pyridoxine hydrochloride	Sigma	P9755	
Quaternary pump	Agilent	G1311C	Agilent 1260 infinity series
Riboflavin	Bioshop	RIB333.100	USP grade
Sodium Chloride	Biobasic	DB0483	Biotech grade
Sodium molybdate	Sigma	243655	
Thermostatted Column Compartment	Agilent	G1316A	Agilent 1260 infinity series
Thiamine hydrochloride	Sigma	T4625	Reagent grade; make solution of 0.02% (w/v), forms a suspension. mix and freeze aliquots
Ultima Gold	Perkin Elmer	6013321	Scintillation cocktail for liquid scintillation counting
Zinc sulfate	Biobasic	ZB2906	Heptahydrate, reagent grade
β-RAM 4	IN/US systems	Model 4	Flow scintillator - 500 µl flow cell; alternative Radiomatic Flow Scintillator Analyser by Perkin Elmer