

Materials List for:

Improved In-gel Reductive β -Elimination for Comprehensive O-linked and Sulfo-glycomics by Mass Spectrometry

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Materials

Name	Company	Catalog Number	Comments
Water, deionized water	Sigma-Aldrich	270733-4L	CHROMASOLV, for HPLC
Acetic acid, Glacial	Fisher	A38-500	Certified ACS $\geq 99.7\%$ w/w
Methanol	Sigma-Aldrich	34860-4L-R	CHROMASOLV, for HPLC, $\geq 99.9\%$
Ammonium bicarbonate	Fluka	09830-500G	BioUltra, $\geq 99.5\%$ (T), Step 1
Acetonitrile	Sigma-Aldrich	34998-4L	CHROMASOLV Plus, for HPLC, $\geq 99.9\%$, Step 1
Ethyl acetate	Fluka	34972-1L-R	LC-MS CHROMASOLV, Step 1
Sodium borohydride	Aldrich	213462-25G	ReagentPlus, 99%, Step 2
Iodomethane	Sigma-Aldrich	289566-100G	ReagentPlus, 99.5%, Step 6. Store at 4 °C until use. Sit at room temperature before use.
Sodium hydroxide solution, 50% w/w	Fisher	SS254-1	Certified, Step 6
Dimethyl sulfoxide, anhydrous	Sigma-Aldrich	276855-1L	Anhydrous, $\geq 99.9\%$, Step 6
Methanol, anhydrous	Sigma-Aldrich	322415-100ML	Anhydrous, 99.8%, Step 6
Dichloromethane	Sigma-Aldrich	34856-4L	CHROMASOL®, for HPLC, $\geq 99.8\%$, contains amylene as stabilizer, Step 7
Dowex 50WX8 hydrogen formhydrogen form 100-200 mesh	Sigma-Aldrich	217506-500G	Step 3
AG 50W-X8 Resin	Bio-Rad	142-1441	Step 3
BAKERBOND spe 1 ml x 100 mg Solid Phase Extraction Column, PP, Octadecyl (C18) Reverse Phase	JT Baker	JT-7020-01	Step 5 and 8
7.5% Mini-PROTEAN TGX Precast Gel	Bio-Rad		Step 1
Bio-Safe Coomassie Stain	Bio-Rad	161-0786	G-250, Step 1
Silver Stain Kit for Mass Spectrometry	Pierce	24600	Step 1
Oligosaccharides Kit (Maltotriose, Dp3: R474140)	Supelco	47265	
Oligosaccharides Kit (Maltotetraose, Dp4: R474135)	Supelco	47265	
Disposable Pasteur Pipets, Glass, Short Tip	VWR	14673-010	Wash before use

PYREX 13 x 100 mm Disposable Round Bottom Threaded Culture Tubes	Corning	99447-13	Wash before use
PYREX 16 x 125 mm Disposable Round Bottom Threaded Culture Tubes	Corning	99447-16	Wash before use
Phenolic Caps/Closures with PTFE-Faced Rubber Liner	Kimble	45066C-13	Wash before use
Phenolic Caps/Closures with PTFE-Faced Rubber Liner	Kimble	45066C-15	Wash before use
Hamilton HPLC syringe	HAMILTON	81265	volume 500 µl, needle size 22 G
Hamilton HPLC syringe	HAMILTON	81165	volume 250 µl, needle size 22 G
Hamilton HPLC syringe	HAMILTON	81065	volume 100 µl, needle size 22s G
Hamilton HPLC syringe	HAMILTON	80965	volume 50 µl, needle size 22s G
Hamilton Calibrated Syringes	HAMILTON	80300	volume 10 µl, needle size 26s G
Petri Dish Glass 100 mm x 15mm	GSC INTERNATIONAL INC	1500-4	Wash before use, Step 1
Bard-Parker Surgical Blades	Fisher	371310	Step 1
Reacti-Therm Heating/Stirring Module	Pierce	18870	Step 1, 4 and 7
Heating Blocks	Fisher	125D	Step 2
Pyrex fiber glass wool borosilicate pore size 8 µm	Aldrich	CLS3950	Step 3
Fused Silica Cutter/Tubing cutter	alltech	3194	Step 3
Multi-tube vortexers	VWR	444-7063	Step 6
Lyophilizer 25EL Freezemobile	Virtis	25EL	
Centrifuge	VWR	Clinical 50	
LTQ Orbitrap Discovery	Thermo Fisher Scientific		