

Materials List for:

LERLIC-MS/MS for In-depth Characterization and Quantification of Glutamine and Asparagine Deamidation in Shotgun Proteomics

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Materials

Name	Company	Catalog Number	Comments
PolyCAT 3 µm 100-Å (bulk material)	PolyLC Inc.	Special order	
Long-length ion exchange capillary column 50 cm - 200 µm ID	PolyLC Inc.	Special order	
PEEKsil Tubing 1/16" OD x 200 µm ID x 50 cm length	SGE Analytical Science under Trajan Scientific Australia	620050	
Female-to-female fitting for 1/16" OD tubing	Upchurch Scientific	UPCHF-125	
Female nut for microferule	Upchurch Scientific	UPCHP-416	
Microferule	Upchurch Scientific	UPCHF-132	
Pressure Bomb NanoBaume	Western Fluids Engineering	SP-400	
Shimadzu Prominence UFLC system	Shimadzu	Prominence UFLC	
Bullet Blender	Next Advance	BBX24	
Safe-lock tubes	Eppendorf	T9661-1000EA	
Stainless steel beads. 0.9 – 2.0 mm. 1 lb. Non-sterile.	Next Advance	SSB14B	
Table-top centrifuge	Hettich Zentrifugen	Rotina 380 R	
Standard Digital Heated Circulating Bath, 120VAC	PolyScience 8006 6L	8006A11B	
Sep-pack c18 desalting cartridge 50 mg	Waters	WAT020805	
Vacuum concentrator	Eppendorf	Concentrator Plus System	
Dionex UltiMate 3000 UHPLC	Dionex	UltiMate 3000 UHPLC	
Orbitrap Elite mass spectrometer	Thermo Fisher Scientific Inc.	ORBITRAP ELITE	
Michrom Thermo CaptiveSpray	Michrom-Bruker Inc.	TCSI-SS2	
Incubator INCUCELL	MMM Group	INCUCELL111	
Sequencing-grade modified trypsin	Promega	V5111	
Protease inhibitor cocktail tablets	Roche	11836170001 (ROCHE)	
Phosphate buffer solution 10x (diluted to 1x)	Sigma-Aldrich	P5493	
Ammonium acetate	Sigma-Aldrich	A1542	
Sodium deoxycholate	Sigma-Aldrich	D6750	
Dithiothreitol	Sigma-Aldrich	D0632	
Iodoacetamide	Sigma-Aldrich	i6125	
Formic acid	Sigma-Aldrich	F0507 (HONEYWELL)	

Ammonium hydroxide	Sigma-Aldrich	338818 (HONEYWELL)	
Acetonitrile HPLC grade	Sigma-Aldrich	675415	
Isopropanol HPLC grade	Sigma-Aldrich	675431	
Water HPLC grade	Sigma-Aldrich	14263	