

Materials List for

# A Protein Suspension-Trapping Sample Preparation for Tear Proteomics by Liquid Chromatography-Tandem Mass Spectrometry

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## Materials

Name	Company	Catalog Number	Comments
9 mm Plastic Screw Thread Vials	Thermo Scientific	C4000-11	
Acetonitrile, LCMS Grade	Anaqua	AC-1026	
Centrifuge MiniSpin plus	Eppendorf	5453000097	
DL-dithiothreitol (DTT), BioUltra	Sigma-Aldrich	43815	
Eppendorf Safe-Lock Tubes, 1.5 mL	Eppendorf	30120086	
Formic acid, ACS reagent, ≥96%	Sigma-Aldrich	695076	
Frame Heater OPTIMONSUN Electronic	Breitfeld & Schliekert GmbH	1203166	
Iodoacetamide (IAA), BioUltra	Sigma-Aldrich	I1149	
Methanol, HPLC Grade	Anaqua	MA-1292	
Nunc Biobanking and Cell Culture Cryogenic Tubes, 2 mL	Thermo Fisher Scientific	368632	
Phosphoric acid, 85 wt.% in H <sub>2</sub> O	Sigma-Aldrich	345245	
Pierce Quantitative Colorimetric Peptide Assay	Thermo Fisher Scientific	23275	
Pierce Rapid Gold BCA Protein Assay Kit	Thermo Fisher Scientific	A53225	
Quadrupole Time-of-Flight Mass Spectrometry	Sciex	TripleTOF 6600	
Schirmer Ophthalmic Strips	Entod Research Cell UK Ltd	I-DEW Tearstrips	
S-Trap Micro Column	Protifi	C02-micro-80	
SureSTART 9 mm Screw Caps	Thermo Scientific	CHSC9-40	
Triethylammonium bicarbonate (TEAB), 1 M	Sigma-Aldrich	18597	

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Ultra-performance Liquid Chromatography	Eksigent	NanoLC 400	
UltraPure Sodium dodecyl sulfate (SDS)	Thermo Fisher Scientific	15525017	