

Materials List for

Capillary Electrophoresis-based Hydrogen/Deuterium Exchange for Conformational Characterization of Proteins with Top-down Mass Spectrometry

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Materials

Name	Company	Catalog Number	Comments
ammonium acetate	Fisher Chemical	A/3446/50	≥99%
CESI 8000 plus capillary electrophoresis system	Sciex, USA		
centrifuge	Eppendorf	5406000097	
centrifugal filter	Merck	UFC201024	10 kDa cutoff
deuterium oxide	Energy Chemical	E090001	99.9 % D
formic acid	Acros Organics	270480250	
fused silica glass capillary	Polymicro Technologies	1068150017	ID 50μm, OD 360μm
gas chromatography	Agilent	GC6890N	
hydrochloric acid	Sigma Aldrich	258148	
hydroxypropyl cellulose	Aladdin	H113415	MW 100000
magnetic stirrers	DLAB	8030101212	
methanol	Fisher Chemical	A456-4	MS grade
microvolume UV-Vis spectrophotometer	DeNovix	84677JK7731	
myoglobin	Sigma Aldrich	M1882	
Orbitrap Fusion Lumos mass spectrometer	Thermo Fisher Scientific, USA		
PA 800 Plus Pharmaceutical Analysis CE System	Beckman Coulter, USA		
Q Exactive UHMR mass Spectrometer	Thermo Fisher Scientific, Germany		
sodium hydroxide	Sigma Aldrich	S5881	
ubiquitin	Sigma Aldrich	U6253	
ultrasonicator	SCIENTZ	SB-5200	
β-lactoglobulin	Sigma Aldrich	L0130	