

Materials List for

# Laser-free Hydroxyl Radical Protein Footprinting to Perform Higher Order Structural Analysis of Proteins

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jove.com/video/61861

## Materials

Name	Company	Catalog Number	Comments
15 mL Conical Centrifuge Tubes	Fisher Scientific	14-959-53A	any brand is sufficient
50 µL SGE Gastight Syringes	Fisher Scientific	SG-00723	
Acclaim PepMap 100 C18 nanocolumn (0.75 mm X 150 mm, 2 µm)	Thermo Scientific		
Acetonitrile with 0.1% Formic Acid (v/v), LC/MS Grade	Fisher Scientific	LS120-500	
Apomyoglobin	Sigma-Aldrich		
Catalase	Sigma-Aldrich	C9322	
Centrifuge	Eppendorf	022625501	
Delicate Task Wipers	Fisher Scientific	06-666A	
Hydrogen Peroxide	Fisher Scientific	H325-100	any 30% hydrogen peroxide is sufficient
Methionine amide	Chem-Impex	03109	
Microcentrifuge	Thermo Scientific	75002436	
Orbitrap Fusion Lumos Tribrid Mass Spectrometer	Thermo Scientific	Orbitrap Fusion Lumos Tribrid Mass Spectrometer	other high resolution instruments (e.g. Q exactive Orbitrap or Orbitrap Fusion) can be used
Pierce Trypsin Protease, MS Grade	Thermo Scientific	90058	
Polymicro Cleaving Stone, 1" x 1" x 1/32"	Molex	1068680064	any capillary tubing cutter is sufficient
UPLC	Thermo Scientific		
Water with 0.1% Formic Acid (v/v), LC/MS Grade	Fisher Scientific	LS118-500	
Water, LC/MS Grade	Fisher Scientific	W6-4	