

Materials List for:

Analyzing Large Protein Complexes by Structural Mass Spectrometry

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Materials

Name	Company	Catalog Number	Comments
1-2 μ L Volume			Per capillary
1-20 μ M Concentration			Per complex
Aquanos volatile buffer such as ammonium acetate at pH= 6- 8			Typically 5 mM-1 M
Detergent (Minimal)			Clusters of detergent molecules produce broad and unresolved peaks
Glycerol (Minimal, up to 5%)			Adheres nonspecifically to proteins and, consequently, broad peaks are observed
Organic solvents (Up to 50%)			Might denature proteins complexes
Acids (Up to 4%)			Denature protein complexes
Salts (Minimal)			Salt adducts lead to broad and unresolved peaks
DTT (Minimal)			1-2 μ M can be present
Chelating agents (Minimal)			Above 250 μ M lead to extensive adduct formation