



Amino Acid Analysis

Guidelines for Sample Preparation

General sample handling

To minimize protein losses from adsorption to walls of tubes, use polypropylene tubes or silicized polypropylene tubes. Avoid polystyrene (clear plastic) and glass.

Use freshly prepared, high purity reagents and water. Contaminants from buffers, detergents, lipids can prevent a good analysis result.

Sample submission

- ◆ In solution or on pvdf
- ◆ minimum 50 pmol of protein

The sample should NOT contain at all

Non-volatile salts and buffers (e.g. ammonium acetate, Tris)

Non-volatile amines

Detergents

Glycerol

Lipids

Salts and buffers > 50 mM

Metal ions

The sample MUST contain

At least 50 pmol of protein in a volatile solvent or lyophilized

(50 pmol of protein equals 2.5 ug for MW =50kD; the higher the Mol.Wt., the more protein needed)

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