

Highly Efficient Bioanalysis of Proteins by Immunocapture Microtips and MFLC-MS/MS

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Digestion of biomolecules in biological matrices results in the formation of thousands of peptides that can interfere with your target molecule. In-silico peptide selection, use of surfactants, immunocapture, micro-elution solid phase extraction and microflow LC-MS/MS (MFLC-MS/MS) with optimal ESI source design were used to improve the selectivity, sensitivity and productivity for the analysis of biomolecules from biological fluids.

Learning Objectives

- IC-MFLC-MS/MS of proteins is incorporated into a high productive routine workflow
- Microflow liquid chromatography MFLC increases sensitivity of the MS signal with an optimized ESI-MS source
- Utilize immunocapture (IC) to increase selectivity. Use of MSIA micro tips for IC in 96-well format is amenable to robotics and 2x faster than magnetic bead IC