General Principles of Liquid Chromatography

Size Exclusion Chromatography

 Ion Exchange Chromatography

Affinity Chromatography

Hydrophilic Interaction Chromatography

Reversed Phase Chromatography

Hydrophobic Interaction Chromatography

The analysis, isolation, and purification of biomolecules can be accomplished by a number of chromatographic modes. Each mode is based on specific physical, chemical, or biological interactions between the sample biomolecules and the packing material.

The various modes of chromatography involve separations that are based on specific features of the target or sample, like size, charge, hydrophilicity, function or specific content of the molecule. The general principles of the most commonly used modes are outlined here.