



# High Performance Liquid Chromatography: Principles and Methods in Biotechnology

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## High Performance Liquid Chromatography: Principles and Methods in Biotechnology

Analytical techniques based on separation processes, such as chromatography and electrophoresis, are finding a growing range of applications in chemical, pharmaceutical and clinical laboratories. The Wiley Separation Science Series provides the analyst in these laboratories with well focused books covering individual techniques, so that they can be applied more efficiently and effectively to contemporary analytical problems. In biotechnology, biochemistry and molecular biology, the characterization and analysis of biomolecules such as proteins, oligosaccharides and nucleic acids are of great importance. High performance liquid chromatography (HPLC) has become one of the key analytical tools in these fields, providing rapid purification and quantitative analysis of biomolecules.

High Performance Liquid Chromatography: Principles and Methods in Biotechnology covers the most important theoretical and practical aspects of the application of HPLC to the biosciences, including sample preparation, column selection, detection of biomolecules, preparative HPLC, and the use of HPLC for specific biomolecules. Finally, the technique is compared to alternative bioseparation methods. The ten chapters are written by researchers active in the biotechnology field. High Performance Liquid Chromatography: Principles and Methods in Biotechnology will be of great practical use to molecular biologists, biochemists and biotechnologists who use HPLC to purify and quantify biomolecules. It will also be of interest to those carrying out protein and DNA characterization and analysis.

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