



Immobilized Affinity Ligand Techniques

By A. Krishna Mallia

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This book is a practical guide to the preparation and use of immobilized affinity ligands for purification, catalysis, and analysis. Special emphasis is given to immunochemical techniques including antibody isolation, preparation of antibody fragments using immobilized enzymes, and immunoaffinity chromatography. The book provides easy-to-follow, well-tested protocols to allow the uninitiated to use these techniques to the maximum advantage with minimum hassle. In addition, it shows researchers how to save money by making their own optimized affinity supports.

Key Features

- * Matrix activation
- * Ligand immobilization
- * Binding and elution of target molecules
- * Enzyme catalysis on solid supports
- * Analytical affinity chromatography
- * Isolation/purification of antibodies
- * Preparation of antibody fragments
- * Immunoaffinity chromatography
- * Immobilization of nucleic acids
- * Use of immobilized ligands for removal of trace contaminants

Practical advice on choosing:

- * Matrices
- * Spacers
- * Methods of activation and coupling

Background information and insights on:

- * Affinity interactions
- * The ease and power of affinity chromatography
- * Attaching molecules to insoluble supports
- * Matrices currently in use
- * Over 20 methods of activation
- * Spacers
- * Extensive References

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Editorial Review

Review

"The format and binding... is an ideal choice for a laboratory techniques book and it is attractively priced. I would strongly recommend it to anyone interested in affinity chromatography and associated topics and consider it to be the overall best laboratory manual on the subject that I've seen to date." --**JOURNAL OF IMMUNOLOGICAL METHODS**

From the Back Cover

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