

Synopsis

One of the many important DNA technologies over the last 15 years has been a strongly refreshed interest in methods for the separation and purification of proteins. This interest has encompassed not only analytical separations, but also small- and large-scale preparative methods directed to both pure and applied research throughout biology and medicine. Many of the new or substantially modified techniques developed have been reported in the literature, but a sufficiency of detailed practical help in establishing the methods for the first time in a laboratory has often been difficult to find. With this premise in mind, we expect that Practical Protein Chromatography, designed as a key volume in the Methods in Molecular Biology series, will provide concise practical help to those carrying out new techniques for the first time. Each chapter has been written by expert authors known to have direct and relevant practical experience with the chosen techniques. The structure of each chapter is designed to make it easy for a worker new to the method to follow it to an effective conclusion. An introductory treatise on the theory behind the method is included. The Materials and Methods sections allow the reader to prepare for, and then perform techniques in a rational stepwise manner. The Notes sections provide the sort of background hints and tricks that are so often essential for success, but are rarely reported in the literature.

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