



Parenteral Products: The Preparation and Quality Control of Products for Injection

By M. J. Groves

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Parenteral Products: The Preparation and Quality Control of Products for Injection deals with modern pharmaceutical practice in the preparation, quality control, and storage of injectable drug solutions. The book gives a basic background of parenteral solutions, the routes of administration, the effects of the different administrations of injection solutions, and the formulation of these products.

The text discusses the theories of filtration, the different methods used, such as screen filters, depth filters, and the possible choices of filtration to capture any preselected unwanted particle size. Developments on sterilization of the product are given attention, citing techniques and equipment. The working and preparation conditions are discussed, since the sterile intravenous solutions, whether in large or small quantities, are done in quite the same procedures, with the similar equipment, and same organization. Equally important in the discussion are the monitoring and control of contamination by particulates through the application of standards known as the Coulter principle and the light-blockage method. The pharmaceutical problems encountered during the administration of large volume drip solutions are analyzed.

This book is helpful for pharmacists, pharmaceutical students and professors, and those working in the pharmaceutical industry and hospital/health sector.

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