Vaccine Development and Manufacturing. Wiley Series in Biotechnology and Bioengineering

Description: Invaluable reference on how to produce a vaccine – from beginning to end

Vaccine production is a major unit of many pharmaceutical companies. With several biotechnology companies involved in developing new types of vaccines, tremendous advances have been observed continually in all aspects of vaccine manufacturing. Novel adjuvants discovered in recent years have shown great promises in human clinical trials by helping elicit stronger immune response and provide durable memory effects. New concepts in facility designs have enabled multiple use of the same facility. Vaccine Development and Manufacturing serves as a reference on all aspects of vaccine production by providing an in-depth description of the available technologies for making different types of vaccines and the current thinking in facility designs and supply issues.

Vaccine Development and Manufacturing comprehensively covers a wide range of issues from:

- Process perspective fermentation to purification to formulation developments
- Production facility design to manufacturing
- Regulatory perspective requirements from government agencies
- Challenges and issues involved in manufacturing different types of vaccines

With contributions by authors from various major pharmaceutical and biotechnology companies, this book will be a resource for a plethora of experts, including R&D scientists, medical professionals, regulatory specialists, clinical researchers, manufacturing specialists, and quality-related personnel. This book will provide insights to the issues that scientists face and the steps involved in producing a vaccine, and will be a reference for state-of-the-art vaccine manufacturing technologies and facility set-up.

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