



Characterization of Nanoparticles Intended for Drug Delivery (Methods in Molecular Biology)

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In recent years, there have been many exciting breakthroughs in the application of nanotechnology to medicine. In *Characterization of Nanoparticles Intended for Drug Delivery*, expert researchers explore the latest advances in the field, providing a set of basic methods for the characterization of nanomaterials for medical use. Chapters provide methods to characterize the physiochemical properties (size, aggregation, and surface chemistry) and in vitro immunological and biological characteristics of nanomaterials. Composed in the highly successful *Methods in Molecular Biology*TM series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls. Comprehensive and informative, *Characterization of Nanoparticles Intended for Drug Delivery* is an essential survey of methods that are crucial to the preclinical characterization of nanomedicines.

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Editorial Review

Review

From the reviews:

“This book details the latest advances in methodology for determining physiochemical, immunological, and toxicological properties of nanoparticles for use in medicine. ... The chapter author are the very qualified experts responsible for developing the majority of the protocols for nanoparticle characterization ... serves an audience of researchers in the scientific community, pharmaceutical drug developers, and regulatory agencies. ... This is an excellent resource for understanding the unique challenges in the development and in vitro evaluation of nanoparticle-based therapeutic agents.” (Rachel R. Chennault, Doody’s Review Service, June, 2011)

From the Back Cover

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