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| Titolo | Alternatives for Dermal Toxicity Testing / / edited by Chantra Eskes, Erwin van Vliet, Howard I. Maibach |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017 |
| ISBN | 3-319-50353-7 |
| Edizione | [1st ed. 2017.] |
| Descrizione fisica | 1 online resource (XX, 592 p. 92 illus., 61 illus. in color.) |
| Disciplina | 616.5 |
| Soggetti | Dermatology<br>Pharmacology<br>Animal models in research<br>Pharmacology/Toxicology<br>Animal Models |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters. |
| Nota di contenuto | Introduction -- Concepts -- Skin irritation -- Skin corrosion -- Skin sensitization -- UV-induced effects (phototoxicity & photoallergy) -- Skin genotoxicity -- Other exploratory areas of relevance. |
| Sommario/riassunto | This book provides comprehensive information on the alternative (non-animal) dermal toxicity test methods currently available for industrial, regulatory, and academic use and also explores potential future developments. It encompasses all areas of dermal toxicity, including skin irritation, skin corrosion, skin sensitization, UV-induced effects, and skin genotoxicity. An individual chapter is devoted to each test method, with coverage of the scientific basis, validation status and regulatory acceptance, applications and limitations, available protocols, and potential role within testing strategies. In addition, perspectives from the test developer are presented, for example regarding critical steps in the protocol, possible adaptations, and challenges and opportunities. The closing section addresses exploratory areas that may be of relevance for the future of dermal toxicity safety testing, including the validation and regulatory acceptance of integrated testing strategies, the use of alternative methods for infections and |

inflammatory diseases, novel complex skin models, and high-throughput screening techniques. Dermal toxicity is an area in which alternatives to the use of animal testing have already gained scientific, industrial, and regulatory acceptance. Practitioners and researchers alike will find Alternatives for Dermal Toxicity Testing to be an ideal source of reliable, up-to-date information on all aspects of the available test methods and likely future directions.