Record Nr. UNINA9910483160603321 Organotypic models in drug development / / Monika Schafer-Korting, **Titolo** Silvya Stuchi Maria-Engler, Robert Landsiedel, editors Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2021] ©2021 **ISBN** 3-030-70063-1 Descrizione fisica 1 online resource (viii, 323 pages): illustrations Collana Handbook of experimental pharmacology 615.19 Disciplina Soggetti Drug development Drugs - Testing Desenvolupament de medicaments Cultiu cel·lular Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Intro -- Preface -- Contents -- Part I: General Topics - Quality Nota di contenuto Assurance and Predictability -- Human-Derived In Vitro Models Used for Skin Toxicity Testing Under REACh -- 1 Introduction -- 2 Validation and Regulatory Acceptance -- 3 Regulatory-Accepted Human-Derived In Vitro Models -- 3.1 Skin Irritation and Corrosion -- 3.1.1 Testing Methods: Reconstructed Human Epidermis (RhE) Used in OECD Test Guidelines No. 431 and 439 -- 3.1.2 Combination of Methods to Assess Skin Irritation and Skin Corrosion -- 3.2 Phototoxicity -- 3.3 Eye Irritation -- 3.3.1 Testing Methods: Reconstructed Human Cornea-Like Epithelium Models (RhE) Used in OECD Test Guideline No. 492 --3.3.2 Testing Methods: Immortalized Corneal Epithelial Cells Used in OECD Test Guideline No. 494 -- 3.3.3 Defined Approaches: Combination of Methods to Assess Eye Irritation and Serious Eye Damage -- 3.4 Skin Sensitization -- 3.4.1 Testing Methods: Synthetic Peptides Used in OECD Test Guideline No. 442C -- 3.4.2 Testing Methods: Human-Derived Keratinocytes Used in OECD Test Guideline

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