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Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di contenuto	Chapter 1. Regulatory Aspects -- Chapter 2. Ethical aspects of cosmetic testing -- Chapter 3. Good Clinical Practice -- Chapter 4. Guidelines in Skin Testing -- Chapter 5. Claim Support: How to Create and Substantiate Claims -- Chapter 6. Testing Laboratory -- Chapter 7. Research Staff -- Chapter 8. Testing Population -- Chapter 9. Testing Devices and Methods -- Chapter 10. Factors influencing measurements -- Chapter 11. Study Design -- Chapter 12. Cosmetic testing report -- Chapter 13. Moisturizers and Emollients -- Chapter 14. Antiaging and

Antiwrinkle Products -- Chapter 15. Products for impure skin and acne-like skin -- Chapter 16. Assessment of Hair Morphology -- Chapter 17. Skin colour and pigmentation -- Chapter 18. Characterization of Sunscreens: Determination of the SPF -- Chapter 19. Practical Aspects of Shampoo and Conditioner Testing -- Chapter 20. Antiperspirants and Deodorants -- Chapter 21. Hair Growth -- Chapter 22. Sensory Perception -- Chapter 23. Novel methods for in vivo skin structure visualization -- Chapter 24. ASSESSMENT OF PRURITUS AND SENSITIVE SKIN -- Chapter 25. Practical Use and Significance of Transepidermal Water Loss Measurements -- Chapter 26. Compliance Check with On-Site Measurements: Advanced Ways in Product Testing.

Sommario/riassunto

Skin physiology assessment is moving from a descriptive approach to a deeper understanding of biophysical and biochemical processes in the stratum corneum, such as epidermal barrier function and stratum corneum hydration. New, non-invasive approaches offer reliable and reproducible methods for product testing in the pharmaceutical and cosmetic industry, as well as in basic research. While standard instruments focus on functional aspects, innovative devices offer a deeper understanding of underlying mechanisms. This book discusses the assessment of skin physiology and of skin functions in clinical studies using non-invasive biophysical instruments, offering readers a comprehensive guide to planning, performing and evaluating the results of scientific studies in skin measurement and the legal framework for these studies. Written by leading experts in the field, it focuses on practical aspects of non-invasive measurements. After introducing the legal aspects of the current framework for clinical cosmetic studies and basic research in cosmetology, it explores the technical practicalities of organizing a testing lab and the pre-requirements for planning a study. The third and main section addresses specific topics in cosmetic testing e.g. skin hydration, and also includes chapters on sensory aspects and in vivo skin structure visualization. This new, updated edition of Practical Aspects of Cosmetic Testing is a valuable tool for researchers, students, and medical staff wanting to gain insights into how best to assess skin functions in controlled studies using non-invasive biophysical instruments.
