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化粧品・医薬部外品の安全性～よりよい製品開発のために～

安全性における動物実験代替法の現状と展望

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Current Practice and Future Directions of Alternative Methods for Safety Assessment

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Abstract

Animal welfare and EU Cosmetic Directive/Regulation call for the implementation of non-animal test methods for safety assessments of cosmetic ingredients. Thus, the ethical and legislative demands have triggered intense research in the field of alternative methods. A number of scientific innovations have been made to assess skin irritation, eye irritation, and skin sensitization. The aim of this review article is to summarize various promising methods developed.

Key words: non-animal test methods, safety evaluation, skin sensitization, eye irritation, skin irritation.