

<原 著>

モルモットおよびラットを用いた口腔粘膜刺激性試験法の検討

中村 恒彰*, 増田 光輝*

An Approach to Oral Mucosal Irritation Test in Guinea Pigs and Rats

Tsuneaki NAKAMURA,* Mitsuteru MASUDA*

Abstract

An oral mucosal irritation test method for detecting the irritancy of dentifrice and mouthwash products was proposed in the CTFA Safety Testing Guideline (CTFA guideline) published by the Cosmetic, Toiletry and Fragrance Association, Inc. in 1981. The CTFA guideline merely prescribes general test procedures. Therefore, we have tried to specify each of the procedures in order to establish the test method for the screening of oral mucosal irritation in guinea pigs and rats.

The suitability of the specified procedures was determined by trial performance of the test using different SDS aqueous solutions and dentifrice aqueous slurries.

The results showed that the modified CTFA guideline by specifying each of the procedures would be an appropriate test method to detect oral mucosal irritation due to oral care products such as dentifrices.

Key words: Oral mucosal irritation, CTFA, Guinea pig, Rat, Dentifrice.