

&lt;講座&gt;

## 皮膚一次刺激, 累積刺激試験法

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### Primary and Cumulative Skin Irritation Test

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#### Abstract

Skin irritation test for cosmetics and toiletries were discussed, and problems in interpreting the results were discussed.

Small animals used for skin irritation tests, such as rabbits and guinea pigs, are much more sensitive to oils and perfumes as compared to human, but rather insensitive to glycols such as propylene glycol. Occlusive conditions, frequently used both in animal and human tests, are believed to enhance the skin response to most of chemicals, but not so enhance the reaction to certain types of chemical substances. Thus, care should be taken in interpreting the results obtained by animal tests or under occlusive conditions.

To better predict the actual risk of cosmetics and toiletries, the effect of occlusion and the difference of animal skin from human skin should be reexamined in view of skin permeability.