

〈教育セミナー〉

敏感肌研究の各社の取組み：敏感肌をどう考え、どう開発するか

## 化粧品で感覚刺激を感じやすい肌の皮膚生理的特徴について

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### **Skin Physiological Characteristics of the Sensory Hypersensitive Skin towards Cosmetics**

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#### **Abstract**

The recent investigation shows that 86% of the females who perceive themselves to have sensitive skin have experienced skin troubles with cosmetics. Therefore, we have come up with a method to apply to females a model cosmetic lotion. Using this method, we selected a panel of females who perceive sensory sensation such as itching, stinging, and defined them as having “sensitive skin.” From the repeated studies, skin physiological characteristics of the invariable hypersensitive skin to a model cosmetic lotion were characterized as follows; 1) high in transepidermal water loss, 2) low in current perception threshold (CPT), and 3) high in serum IgE levels.

Moreover, we have discovered the existence of “fluctuating sensitive skin” whose sensory sensitivity towards a model cosmetic lotion can change. It is possible to speculate that causal factors to alter the sensitivity of “fluctuating sensitive skin” are neurological sensitivity, barrier function and water content of stratum corneum.

**Key words:** sensitive skin, cosmetics, TEWL, CPT, serum IgE.