



## Hand Irritation Studies



1. HAND WASHING PRODUCT



1. HAND TREATMENT PRODUCT

**A number of measurements of product efficacy on the hands can be conducted. The positive effects of product treatments, and/or the lack of adverse reactions can be quantified.**

- **Protects from Skin Dryness**
- **Does not damage the skin**
- **pH Balance or adjustment**
- **Reduces Irritation**
- **Reduces Itching**
- **Customised Protocols**

### Subject Recruitment

A minimum of 10 test subjects are recruited, between the ages of 18 and 65.

Individuals whose race is Caucasian or Asian (first or second generation). Individuals who have completed a preliminary medical history mandated by Dermatest.

No use of any moisturiser product or any other related product which makes claims similar to those being measured for the study.

The study is conducted according to ICH guidelines.

### Time Points

Effects are usually evident after one treatment or over the course of one day, so the study is typically conducted in lab. Time points can be zero, 1 hour, 2 hours, 3 hours, 4 hours and 5 hours following a single application or washing every hour with the test products.

### Evaluation of Responses

The responses post treatment with the products are measured and compared with pre treatment.

### Process

Applicants are screened, before enrollment into the study, by an experienced clinical assessor. One and the same assessor is used for each individual instrumental

measurement throughout the study in order to rule out variations occurring from different gradings by different assessors.

On the day of the study test subject's hands are cleaned with warm water. Subjects remain in the environment controlled test area for at least 15 minutes in order to equilibrate with the humidity and temperature of the room.

The subjects wash their hands with warm water and air dry. After a period of 15 minutes, the background of the skin is measured. The product is then applied, or the hands are washed for 15 seconds each. At each subsequent time point, the relevant measurements are again made and the hands may be rewashed with the sample product, or the product reapplied.

### More Details...

#### Dermatest Test Protocols

Skin Moisturisation

Trans-epidermal Water Loss

Skin pH Measurement

Anti-inflammatory

Antipruritic Efficacy

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