Dry Skin Quantitation - D-squame ® - /Sub/ time pt

Improvement in treatnent of Xerotic (Dry) skin conditions by adhesive disk (D-Squame) stripping.
Supports claims related to dry skin improvement, moisturisation. Performance measurement of skin peels.

Experimental Design

Subjects -
Usually female, selected from the target age group nominated by the client**.**

Are informed of nature of test and possible adverse reactions, informed consent docs.(only incl. those who are dependable, able to read, understand and follow directions)

Prior to initiation, medical history form completed by subject, exclude those who have a history of physical or dermatological condition which would preclude application of the test materials.

Test Materials - sponsor to submit sufficient amounts of test material.
Liquids - (incl lotions) - 250mL (8oz)
Creams - semi-solids - 250g (1/2lb)

Method

Test site may be nominated and are delineated for corresponding areas.
In order to pre-condition the test sites and keep all topical treatments constant for all test subjects, panelists are required to abstain from using deodorant soaps, moisturising soaps or cosmetic moisturisers on the test area for a period of one weeks prior to study commencement and during the course of the study.

Base line is determined on a an adjoining area just prior to commencement of the study.

For Single Day Studies
On the day of the study, test material is delivered to the test sites through plastic volumetric syringes. The material is then evenly applied back of the hands using a glass rod to rectangular area measuring 2.5 x 10cm on the liberally A site of equal size is left untreated to serve as a negative control. Panelists are blinded as to the nature of the material being applied. Panelists were required to remain in the lab under controlled humidiy conditions for the entire initial test period.

For Multi-day Studies
Product is applied to test area according to client instructions.
At further nominated timepoints, test subjects are brought back to the laboratory for further measurements.
In all other aspects, the methodology is the same.

Quantification
Quantification of removed cry cells by optical transmission measurement.

D-SQUAME® discs uniformly sample a fixed area of stratum corneum for precise skin studies. Adhering corneocytes can be analyzed for drugs and other constituents as stripping discs provide a convenient way to reproducibly remove the stratum corneum for subsequent analysis procedures.

D-SQUAME® tapes were scored and the optical transmission measured.

References