Antipruritic Efficacy - Itch Relief - per subject

Objective: to determine the antipruritic efficacy immediately after application and at longer duration and/or after repeated application

Experimental Design
Males and females at least 18 year of age.
Panel Demographics - having no known allergy to itch-relief products
- 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.
- having not taken drugs in the last 48 hours and who reported as being likely to users of antipruritic products if they reported at least one of the three conditions...1. suffering from dry skin ... 2 suffering from itch ... 3. a consumer of anti-itch products.
- 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)
Duration - need to be defined by the client, depending on product indication/s.
Product Application - 0.4 g per application per test area.
2 product comparison or control placebo.

Method
Test sites are demarcated by two rectangular areas of 2.5 x 4.5 inch on the distal - proximal axis 4 inches proximal from the wrist on the volar surfaces of each forearm. Sites are first lathered with a simple soap and shaved.

Aftr drying, celolophane tape is appled to strip the skin to the point of first glistening. This produces an area of compromised skin, emulating the action of scratching the skin.

A West-itch Esthesiometer is then used to mechanically induce a consistent itch. The instrument can be adjusted to a setting sufficient to produce a minimal response in the form of itch intensity and this is subjectively determined prior to application of the test materials. A scale is applied and the minimal response limit is set as “level 3 rated itch”

After application of the products and an appropriate wait time, the instrument is then used to induce the equivalent level determined prior to application. The comparative itch level for the 2 samples is then indicated by the participant.

Itch Rating Scale
0 = none
up to 2.5 = very slight
>2.5 to 4.5 = slight
>4.5 to 6.5 = mild
>6.5 to 9.9 = moderate
10 = severe

References


References