

Soothing Effect of AquaCacteen

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Sponsor:

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Introduction

Soothing effect of AquaCacteen after an induced skin irritation with 2 % sodium dodecyl sulphate (SDS).

Test products

- Hydrogel with 2% AquaCacteen
- Hydrogel without AquaCacteen (placebo)

Test area

- Inner sides of forearms

Volunteers

- Number of individuals: 20
- Age: 20 - 55
- Sex: 10 male / 10 female

Application

- Duration: 9 days
- Frequency: once daily

Study Design

- Day 0
First measurement before any treatment.
Induction of skin irritation by applying 2% sodium dodecyl sulphate (SDS) under occlusion for 24 h. After 24 h occlusion

was removed and the skin was wiped with a soft paper towel. Six hours later, skin redness was recorded. After the measurements the test products were applied.

- Day 1 to 9

Application of the test products once daily.

Measurements were evaluated during the treatment period on day 3, 5, 7 and 9, six hours after the last daily application.

- Day 9

Second application of 2% sodium dodecyl sulphate (SDS) under occlusion for 24 h.

- Day 10

The occlusion was removed and the skin was wiped with a soft paper towel. Six hours later, skin redness was recorded again.

Test parameters

- Determination of skin redness with Chromameter CR 300 (Minolta, Japan)

Results

After the first SDS treatment, the decrease of skin redness on the skin areas treated with 2% AquaCacteen was slightly faster than the control. After the second irritation, the redness of the skin areas pre-treated with 2% AquaCacteen was only marginal.

Soothing Effect

