

EUBOS HAUT RUHE CREAM and LOTION

Compatibility tests:

3. Phototoxicity

In vivo irradiation of treated skin with UVA compared to untreated skin

Dosage: 10 J/cm² , 20 J/cm²

30 subjects each

Results:

Even under extreme conditions not a single toxic reaction was observed.

Increased photosensitivity is not to be expected with use of the products.

HAUT RUHE LOTION and CREAM

Application Test on Adults

University Skin Clinic, Kiel / Germany

Director Prof. Dr. med. Dr. rer. nat. E. Proksch

Test panel:

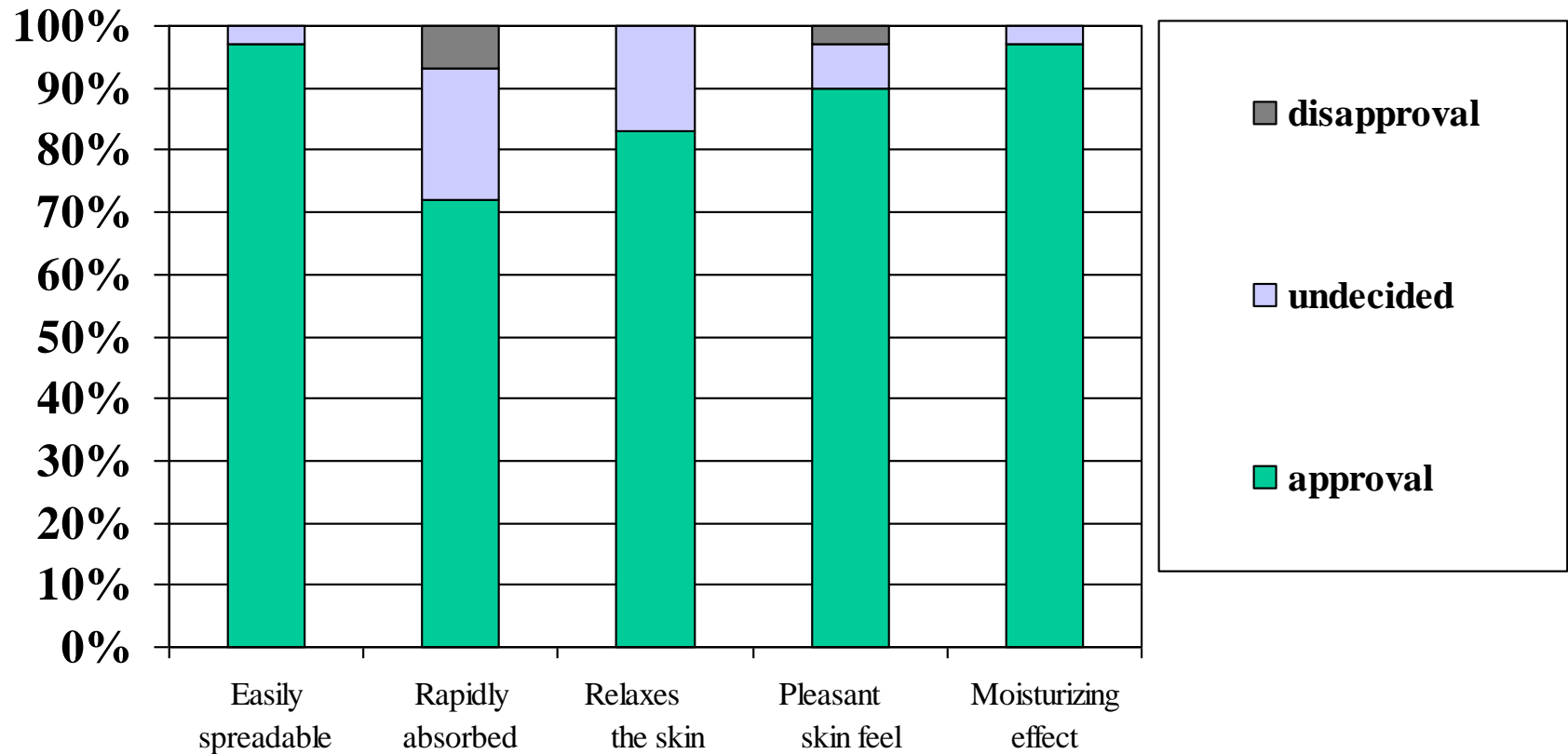
- CREAM: 29 subjects, atopic dermatitis patients during their eczema free interval, very dry skin (20 - 56 years; average age: 38.4 years)
- LOTION: 29 subjects, atopic dermatitis patients during their eczema free interval, very dry skin (20 - 52 years; average age: 33.8 years)

Application for 6 weeks, daily (as needed)

LOTION – 6 % Evening Primrose Oil

Basic care, moisturizing O/W emulsion

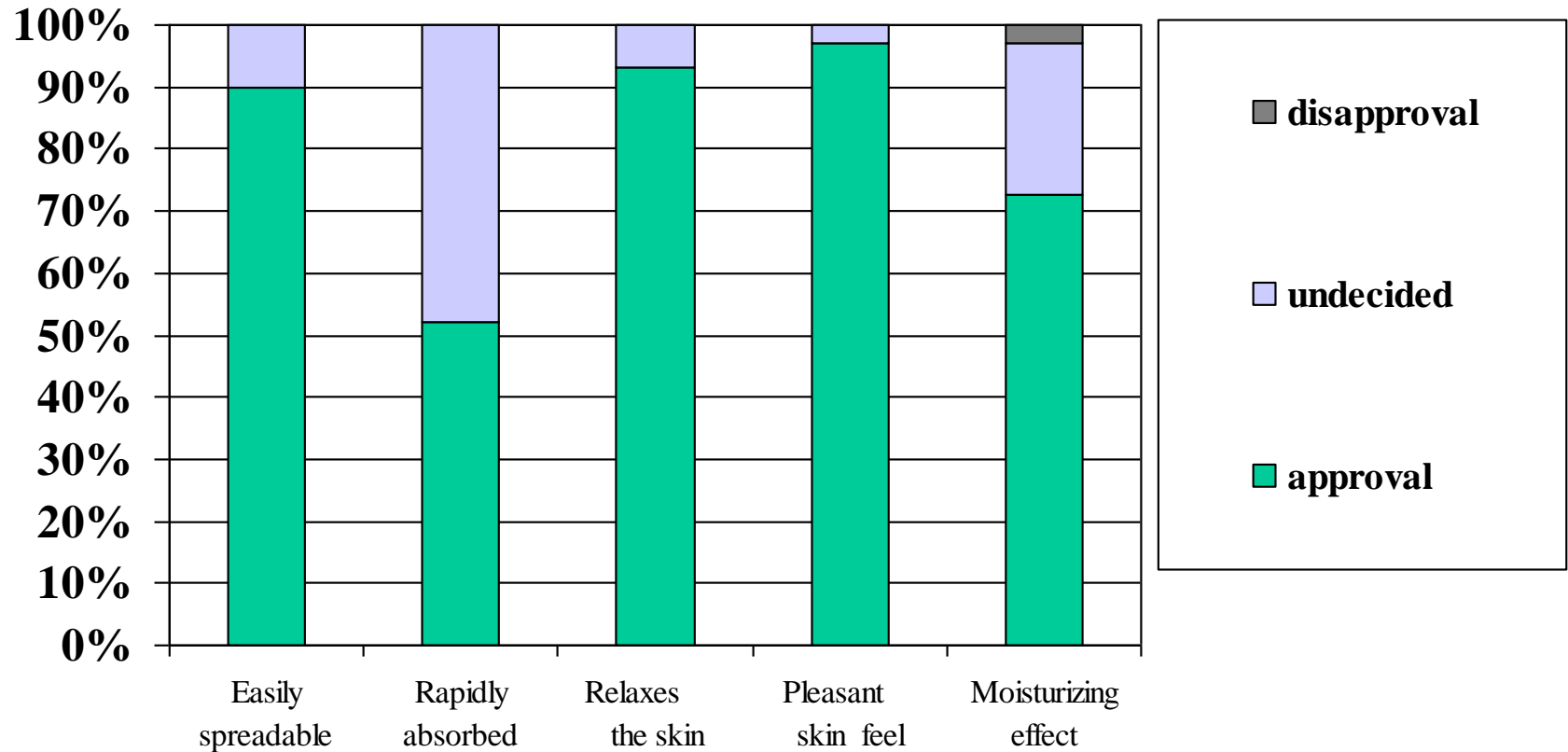
Application test: properties, skin feel of the lotion



CREAM – 10 % Evening Primrose Oil

Intensive care, rich W/O emulsion

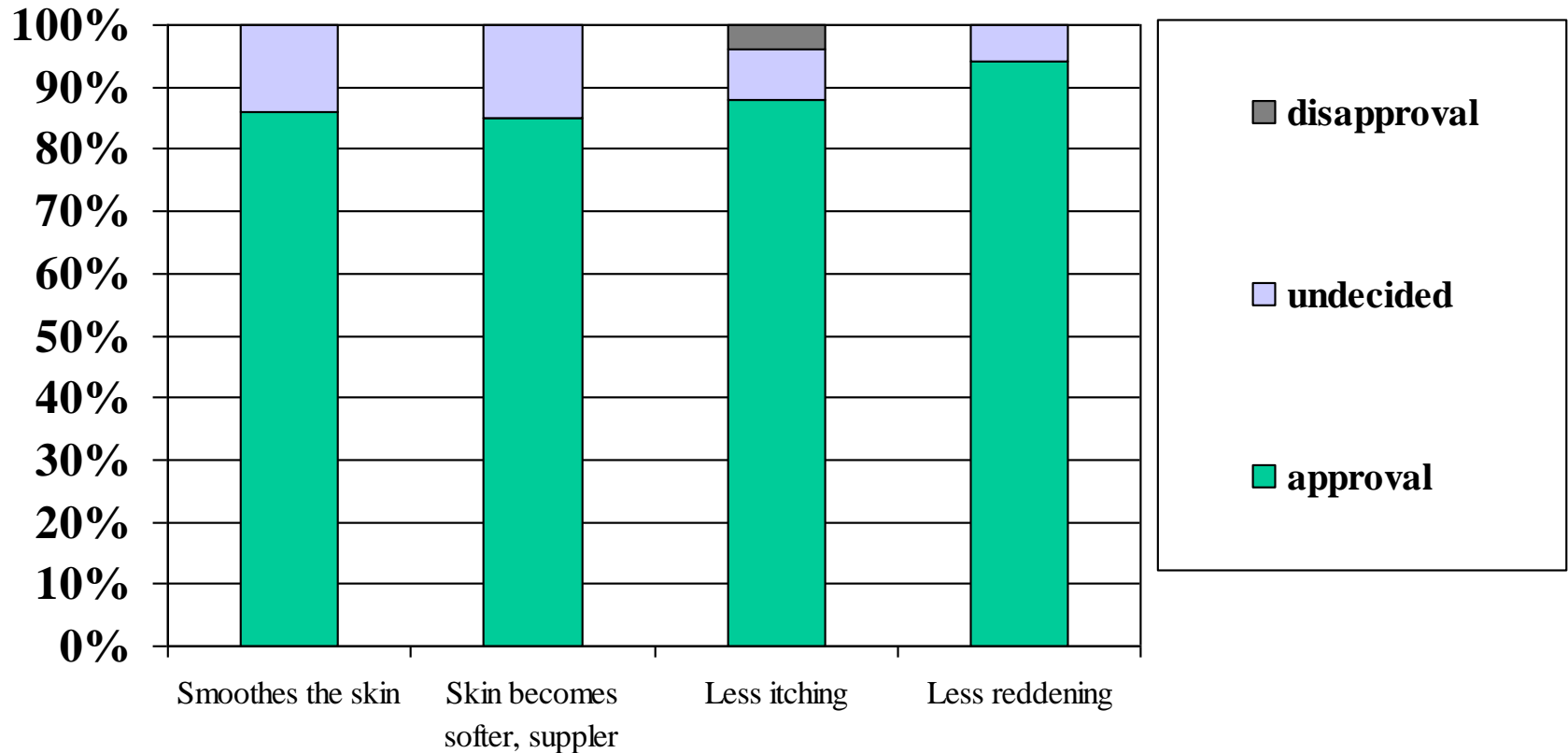
Application test: properties, skin feel of the cream



LOTION – 6 % Evening Primrose Oil

Basic care, moisturizing O/W emulsion

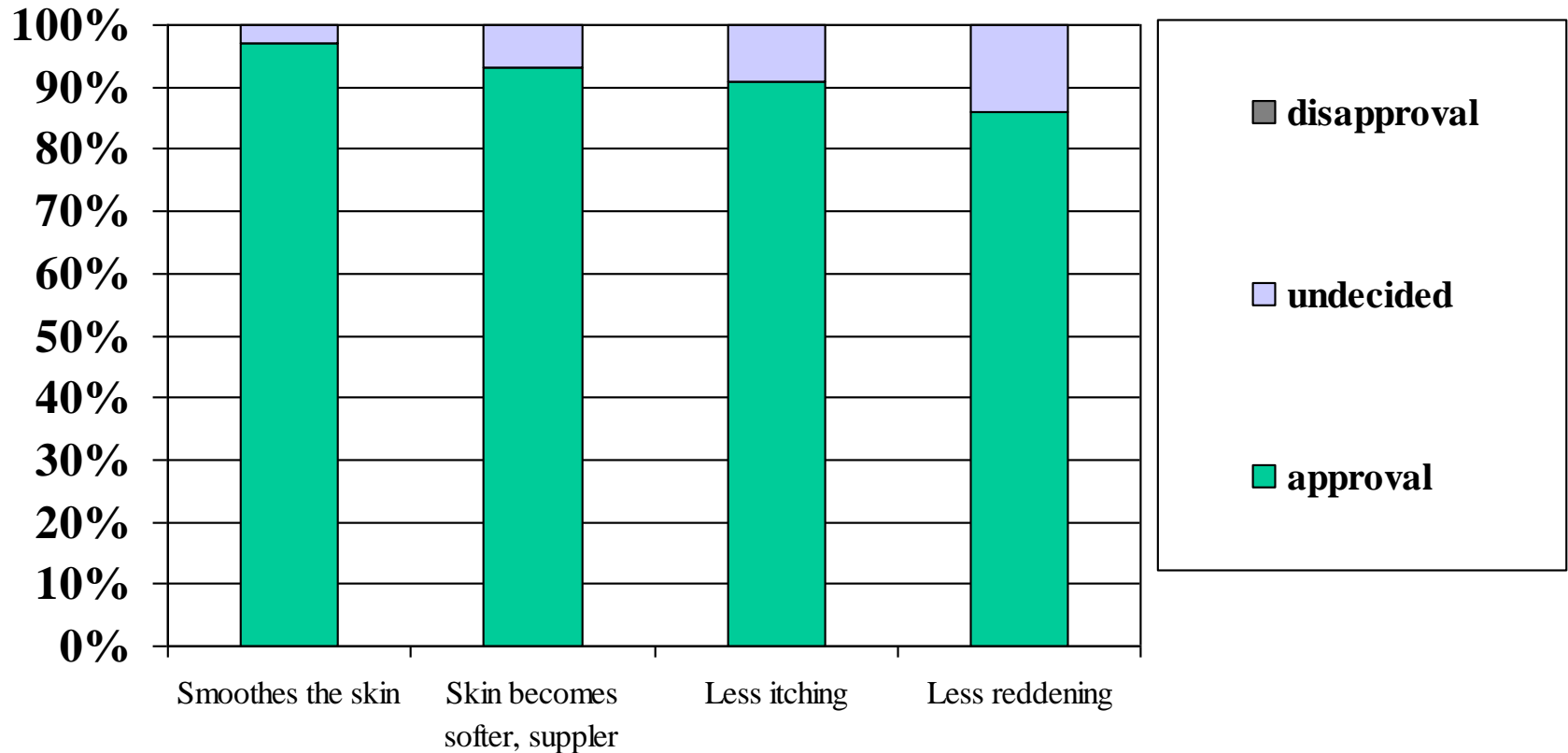
Application test: smoother skin, itchiness, redness



CREAM – 10 % Evening Primrose Oil

Intensive care, rich W/O emulsion

Application test: smoother skin, itchiness, redness



Comparison: CREAM – LOTION

Approval (%)

	CREAM	LOTION
Easily spreadable	90	97
Rapidly absorbed	52	72
Supplies moisture	72	97
Relaxes the skin	93	83
Pleasant skin feel	97	90
Skin: softer, more supple	93	79
Smooths the skin	97	86
Less itching	91	88
Less reddening	86	94

HAUT RUHE CREAM and LOTION

Results of the Application Tests

- No incompatibility occurred in any case / The products were well tolerated in all cases.
- The product characteristics regarding their effects were evaluated extremely positively
- Itching was reduced: With the lotion in more than 90 % of all cases, with the cream in more than 85 % of all cases

HAUT RUHE CREAM and LOTION

Application Test On Children

University Skin Clinic, Kiel / Germany

Prof. Dr. med. Dr. rer. nat. E. Proksch

PD Dr. med. Regina Fölster-Holst

Test panel:

- CREAM: 30 children from 7 months up with dry skin (atopic dermatitis)
- LOTION: 30 children from 7 months up with dry skin (atopic dermatitis)

Application for 6 weeks, daily (as needed)

HAUT RUHE CREAM and LOTION

Results of the Application Tests

- No incompatibility occurred in any case / The products were well tolerated in all cases
- The product characteristics regarding their effects were evaluated very positively

The products were clinically tested for the treatment of dry skin in children from 7 months up.

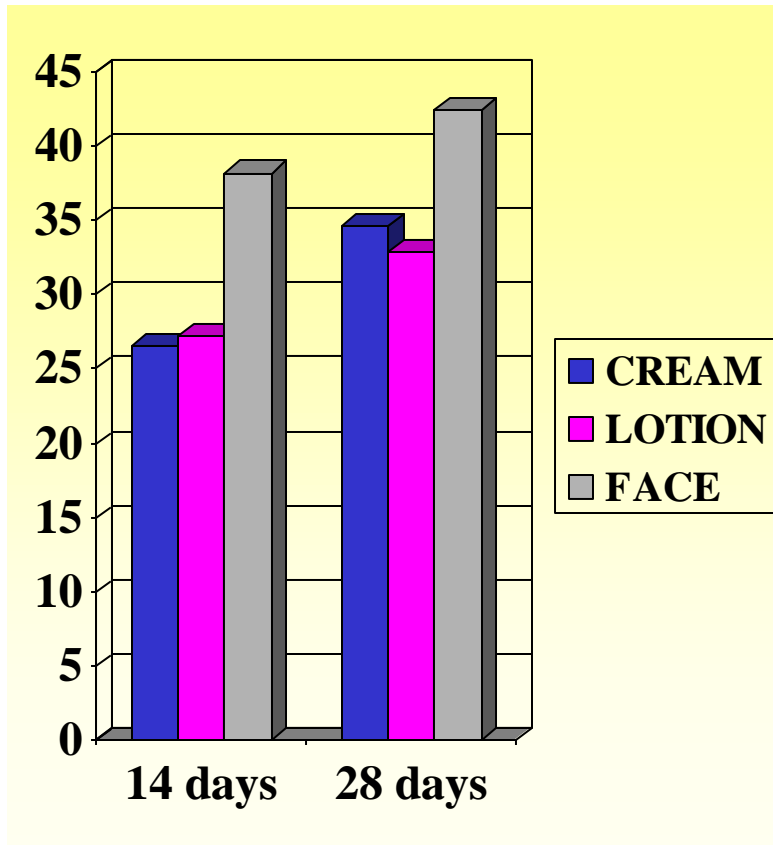
Their suitability for use and interval treatment for atopic dermatitis was confirmed.

Skin Physiological Measurements

In addition to the application studies at the University Skin Clinic Kiel / Germany, skin physiological measurements were performed in order to further objectify the product performance of EUBOS HAUT RUHE CREAM and LOTION:

- Measurement of skin hydration (Corneometer CM 825 PC, Courage & Khazaka GmbH, Cologne) on normal and damaged skin
- Regenerative and protective effect of the CREAM and LOTION after experimental skin damage
- Measurement of the transepidermal water loss - TEWL - (TEWAMETER TM 210, Courage & Khazaka GmbH, Cologne) before and after use of the CREAM and LOTION: measurements on skin with pathologically increased TEWL (g/m²h)

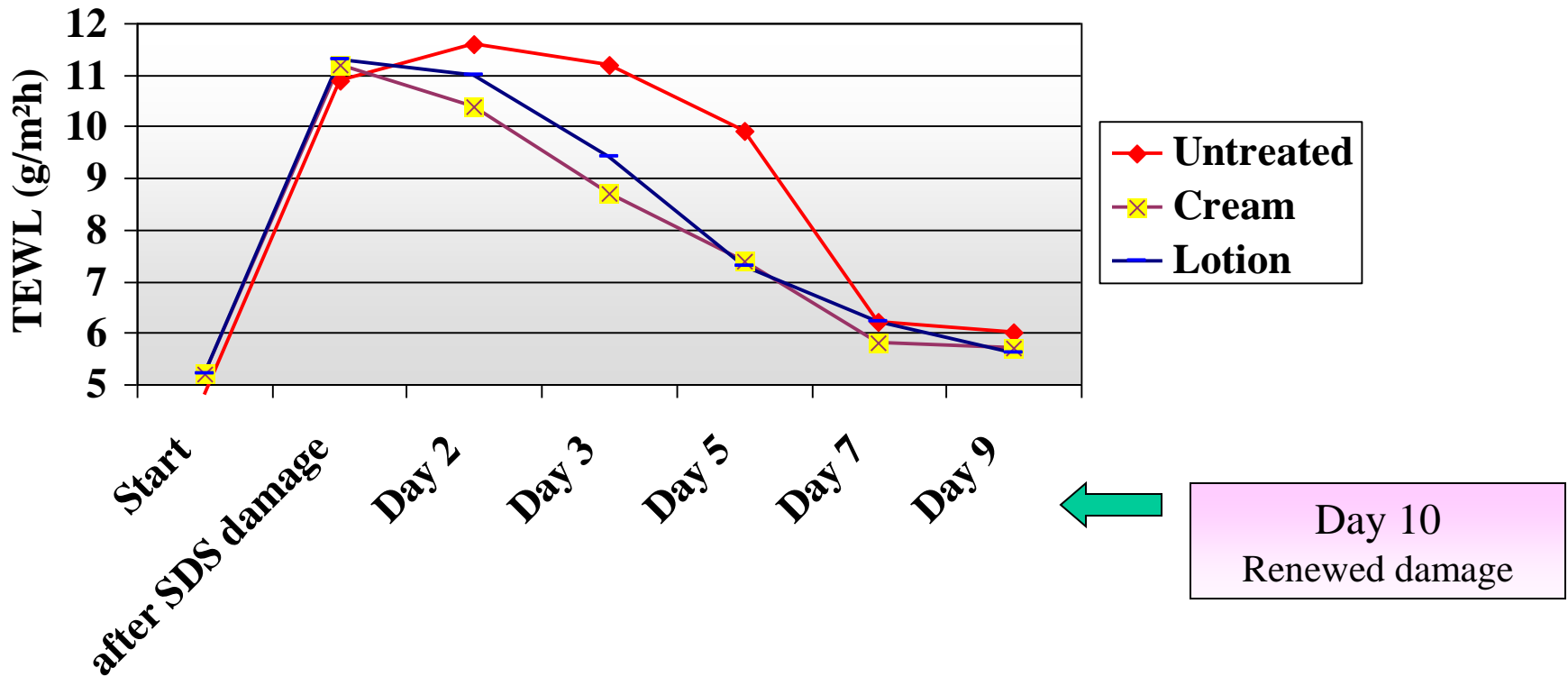
Increase of Average Skin Hydration Compared to the Initial Situation and to the Untreated Skin Area (%)



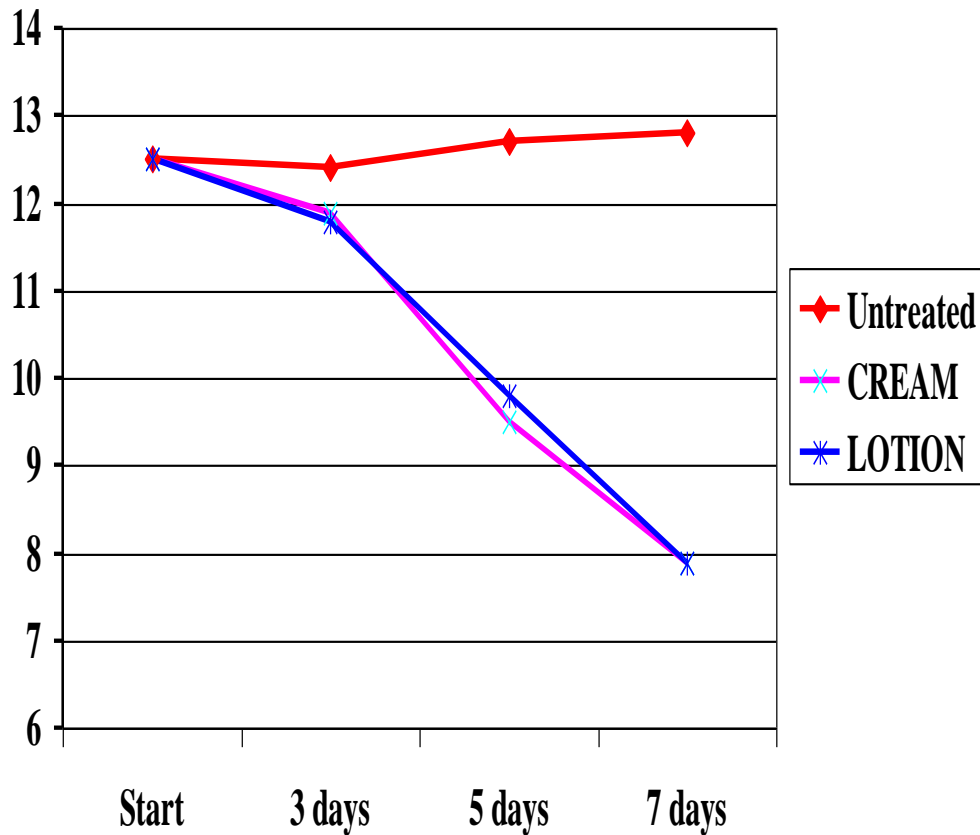
Significant increase in skin moisture after 14 and 28 days: (measured on undamaged skin of forearm)

- **HAUT RUHE CREAM:**
after 28 days + 34.5 %
- **HAUT RUHE LOTION:**
after 28 days + 33 %
- **HAUT RUHE FACIAL CREAM**
after 28 days + 42.4 %

Regeneration of the Skin Barrier After Experimental Skin Damage (2 % SDS / 24 h occlusion)



Normalization of Increased Transepidermal Water Loss in Case of Dry Skin Condition (TEWL g/m²h) HAUT RUHE CREAM and HAUT RUHE LOTION



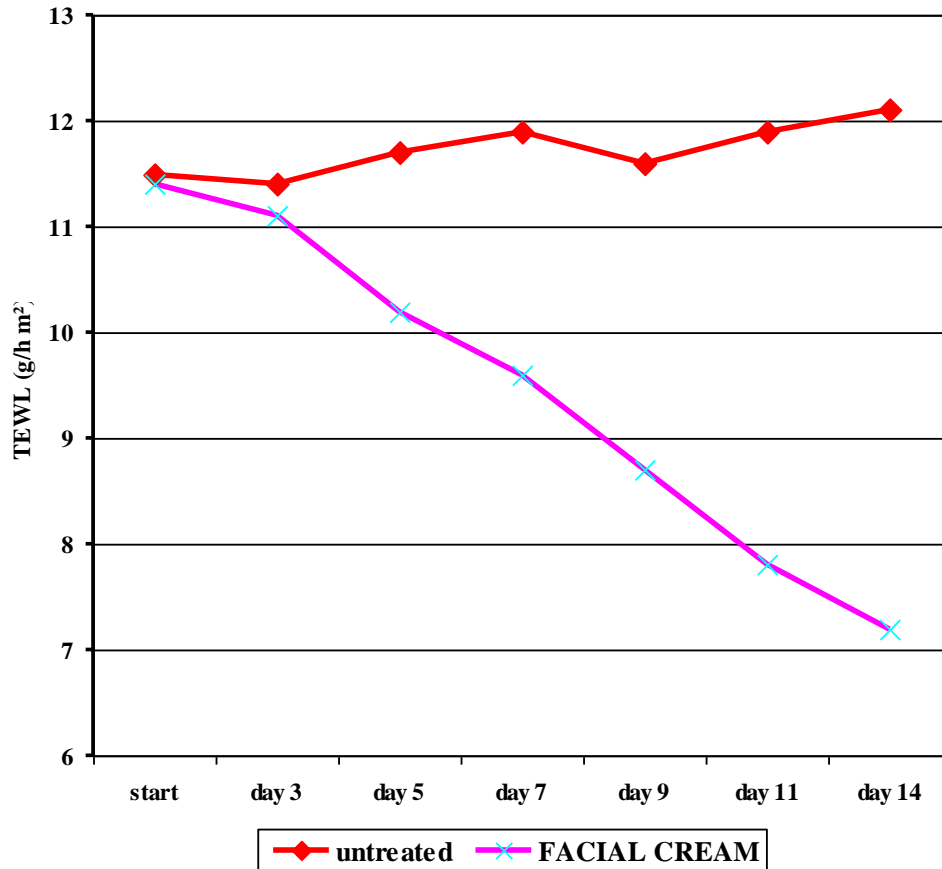
**Normalization of the skin's
barrier function =
Regenerative protective effect on
skin:**

TEWL decreased to values
below 10 g/m²h already after
5 days

After 7 days, values in normal
range

20 subjects, application 2 times per day

Normalization of Increased Transepidermal Water Loss in Case of Dry Skin Condition (TEWL g/m²h) HAUT RUHE FACIAL CREAM



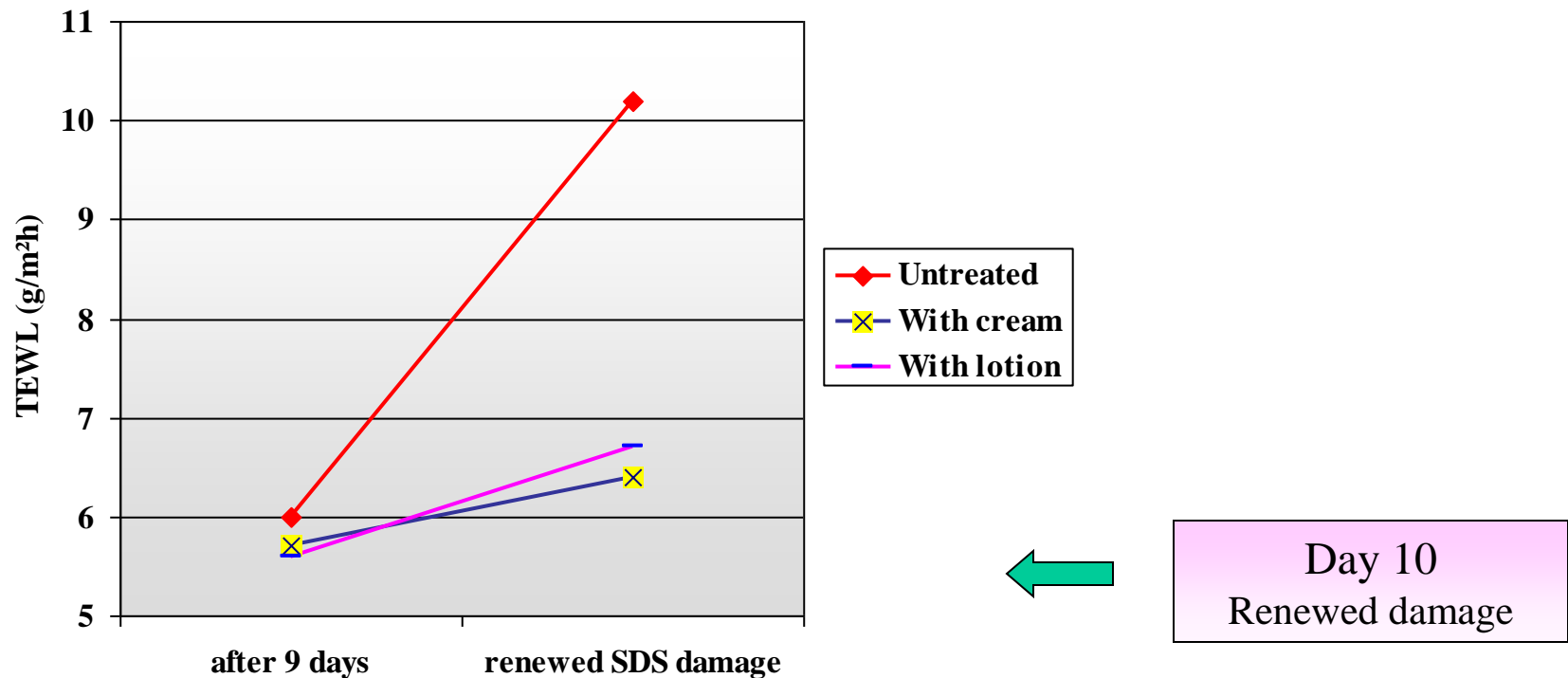
Normalization of the skin's barrier function = Regenerative protective effect on skin:

Significant decrease of TEWL (g/m²h) already after 5 days

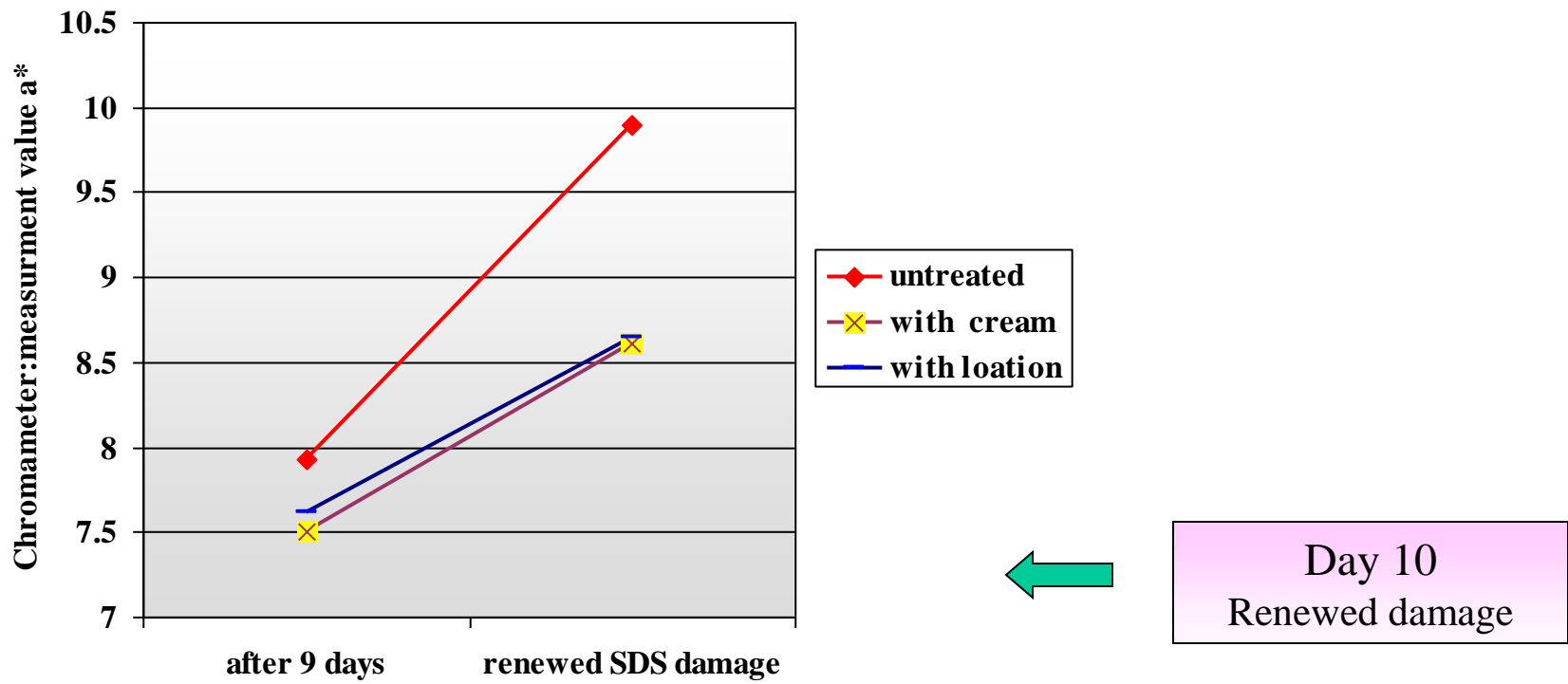
After 14 days, values in normal range

20 subjects, application 2 times per day

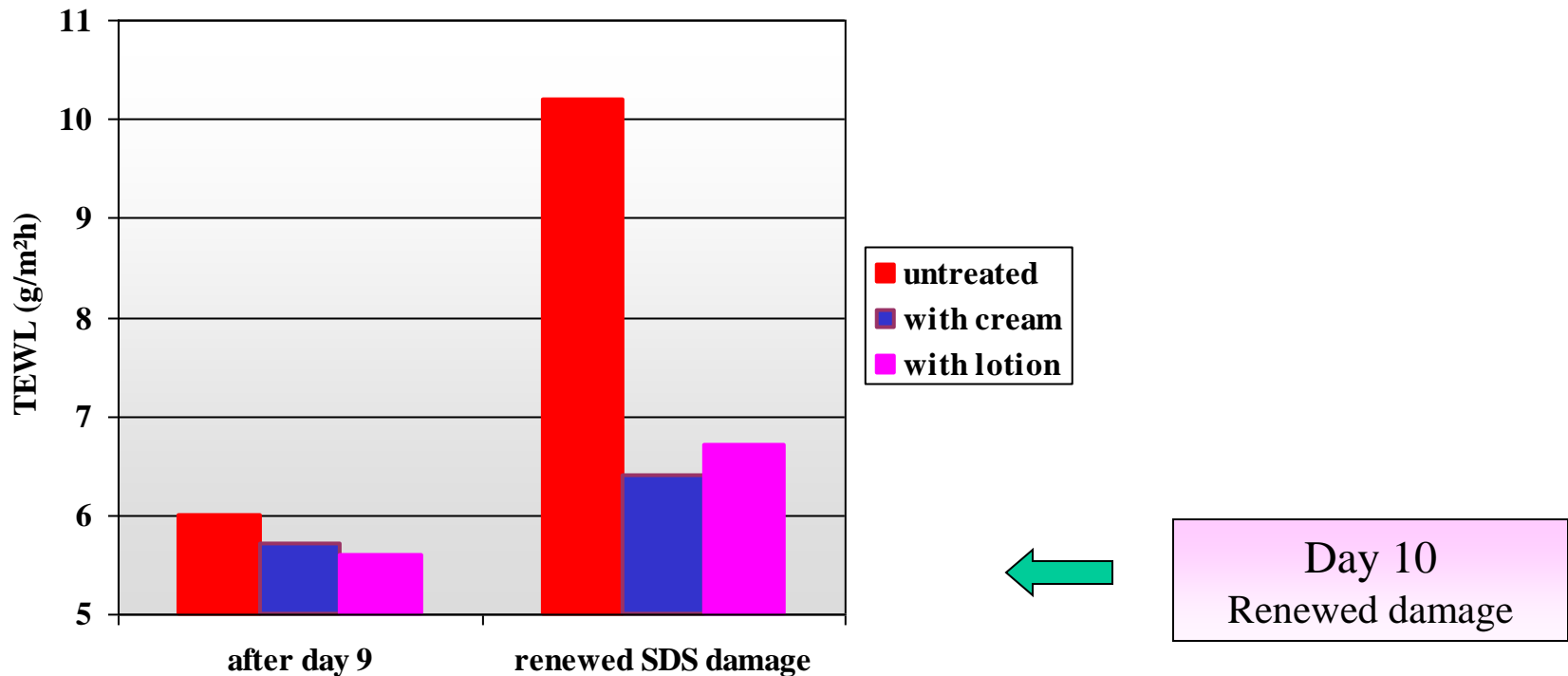
Protective Effect of Cream and Lotion with Regular Use Compared to Skin Damage for Example from Surfactants (2 % SDS / 24 h occlusion)



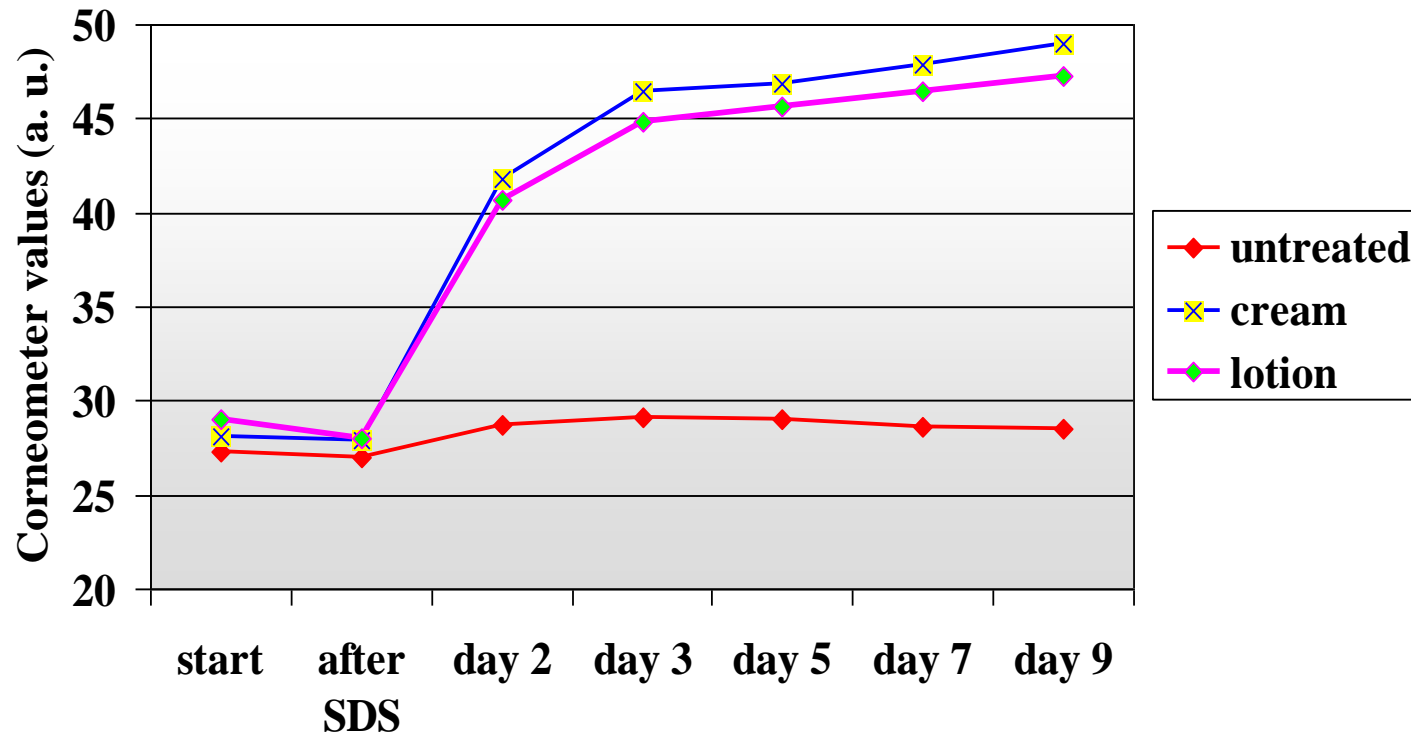
Protective Effect of Cream and Lotion with Regular Use Compared to Skin Reddening for Example from Surfactants (2 % SDS / 24 h occlusion)



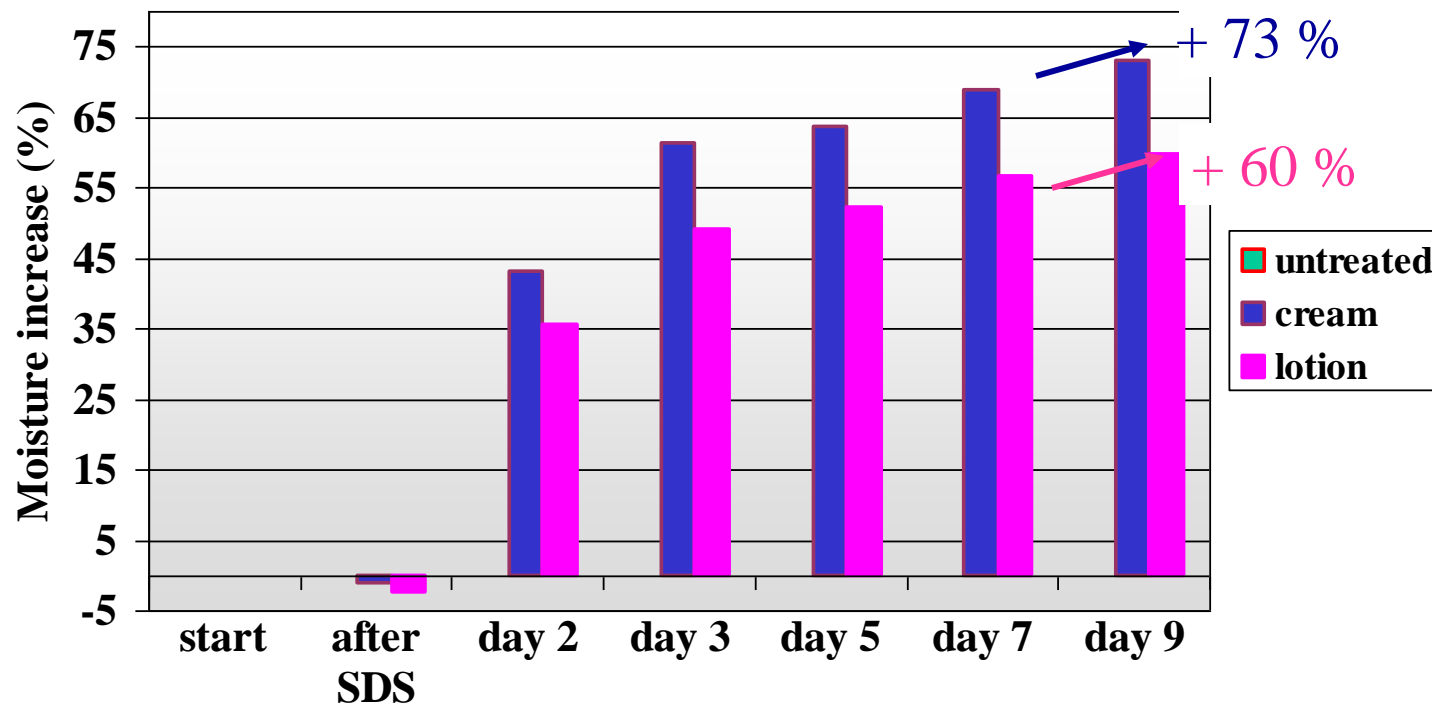
Protective Effect of Cream and Lotion with Regular Use Compared to Skin Damage for Example from Surfactants (2 % SDS / 24 h occlusion)



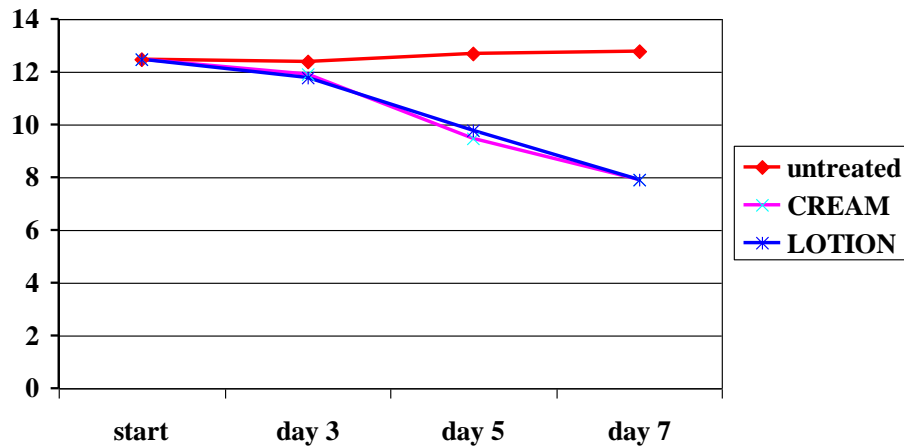
Skin Hydration After Experimental Skin Damage (2 % SDS / 24 h occlusion)



Increased Skin Hydration of Damaged Skin Compared to the Initial Situation and to Untreated Skin Area (%)



Normalization of an Increased Transepidermal Water Loss in Case of Dry Skin Condition (TEWL g/m²h) HAUT RUHE CREAM and HAUT RUHE LOTION



**Normalization of the skin's
barrier function =
Regenerative protective effect on
skin:**

TEWL decreased to values
below 10 g/m²h already after
5 days.

After 7 days, values in normal
range.

20 subjects, application 2 times per day

The Positive Results of the Highly Valuable, Carefully Selected Formulation

-are apparent by success in the market
- ...in the evaluation by ÖKO-Test
(= a very critical, highly respected German magazine for consumers)

HAUT RUHE LOTION and HAUT RUHE FACIAL CREAM:
„very good“



EUBOS DRY SKIN CHILDREN

HAUT RUHE

- Tested compatibility
- Modern formulation technology – highly valuable raw materials
Avoidance of „classical“ raw materials with allergenic potential
- Excellent application characteristics
- High degree of acceptance by consumers and patients
- Proven and individually traceable effectiveness