Anti-aging effect of a Novel Serum that contains L-Ascorbic acid, Pre and Proteoglycans

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INTRODUCTION AND OBJECTIVES

The purpose of this study is to get to know the subjective evaluation of the acceptability and cosmetic efficacy of a serum containing L-Ascorbic acid, Pre and Proteoglycans. Previous studies have demonstrated that the product has a moisturizing action lasting for 6 hours after a single application.

METHODS

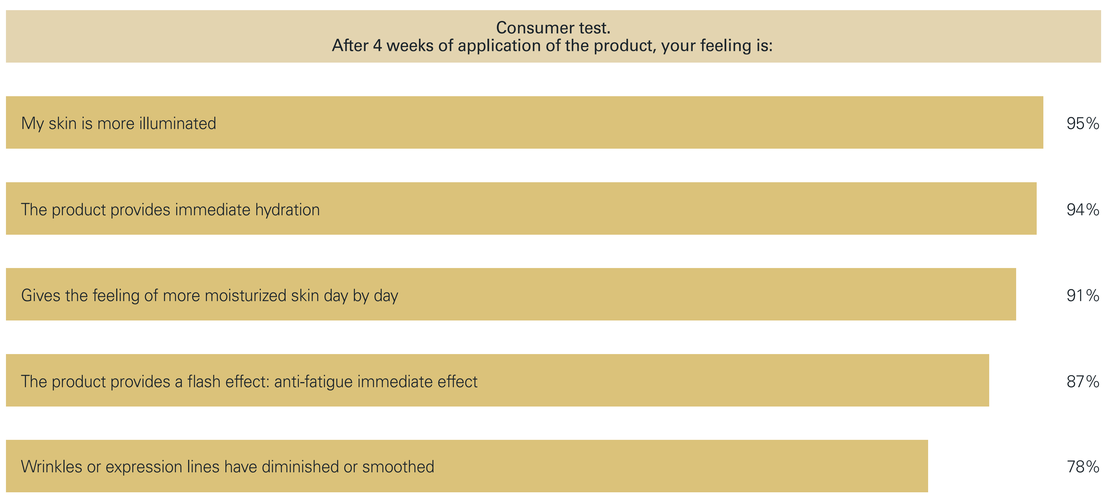
After the application of the serum, acceptability and perceived efficacy was evaluated through a self-assessment questionnaire in 105 females of 35.7 years old on average. The serum was self-applied by the subjects at home, under the normal conditions of use (once a day during 4 weeks). Only usual cleansing and make-up products were permitted as concomitant application.

RESULTS

4 weeks after application, 94% of subjects perceived an immediate hydration, while 91% observed a progressive improvement on their skin hydration day by day. The anti-aging effect was satisfactorily evaluated by subject's reports; 87% reported an immediate anti-fatigue effect (flash effect) and 78% perceived a decrease or smooth of wrinkles and a reduction of expression lines. 95% of the subjects described their skin as more illuminated. No cutaneous or ocular manifestation recorded.

CONCLUSIONS

The novel facial serum containing L-Ascorbic acid, Pre and Proteoglycans proves to be a new breakthrough product for patients due to its reported anti-aging and moisturizing properties.



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Moisturizing effect of a novel serum containing L-Ascorbic acid, Pre and Proteoglycans

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INTRODUCTION AND OBJECTIVES

The purpose of this study is to demonstrate the hydrating effect after single application of a novel serum containing L-Ascorbic acid, Pre and Proteoglycans. Previous studies demonstrated a powerful anti-aging effect by stimulating the synthesis of collagen, elastin and proteoglycans in skin ex-plants and antioxidant properties in in-vitro studies.

METHODS

Moisturizing effect was evaluated in an open, monocentric and randomized study in 40 female volunteers, with an average age of 49.2 ± 10.2 years old. Each subject received a detailed informed consent. Cutaneous hydration was measured using Corneometer MPA580 and Hygrometer Skicon® 200Ex. The test products was applied bilaterally in a square of 4x5 cm on the inner forearms according to a randomization scheme in two test sites, one of them as "dry-shaved" control site.
Both determinations were made at T0, T1 T3, T6 and T24 hours after a single standardized application.

RESULTS

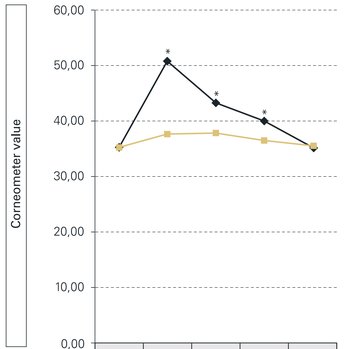
Corneometer and Skicon measurements show a significant improvement of the moisturizing index from T1h with value of 39.3% and 234.4% to T6h with a value of 7.2% and 44.6% respectively after a single application.

Moisturizing Index. Corneometer MPA580®

	% Variation	Significance
(T1h-T0)SE / (T1h-T0)C	39,30%	s
(T3h-T0)SE / (T3h-T0)C	12,60%	s
(T6h-T0)SE / (T6h-T0)C	7,20%	s
(T24h-T0)SE / (T24h-T0)C	-2,00	ns

SE: serum, C: control
s(*): significant, when p<0,05
ns: non significant, when p>0,05

Evolution of the skin moisturizing Index during 24 hours



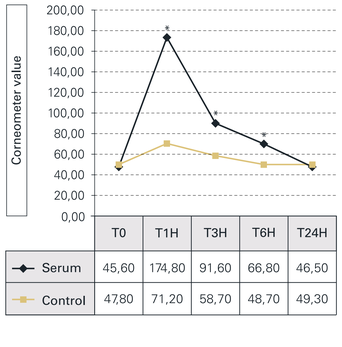
	T0	T1H	T3H	T6H	T24H
Serum	36,10	51,97	43,16	40,09	36,17
Control	36,22	37,92	38,76	37,60	37,02

Moisturizing Index. Skin Surface Hygrometer. Skincon-200 EX

	% Variation	Significance
(T1h-T0)SE / (T1h-T0)C	234,40%	s
(T3h-T0)SE / (T3h-T0)C	78,20%	s
(T6h-T0)SE / (T6h-T0)C	44,60%	s
(T24h-T0)SE / (T24h-T0)C	-1,20	ns

SE: serum, C: control
s(*): significant, when p<0,05
ns: non significant, when p>0,05

Evolution of the skin moisturizing Index during 24 hours



	T0	T1H	T3H	T6H	T24H
Serum	45,60	174,80	91,60	66,80	46,50
Control	47,80	71,20	58,70	48,70	49,30

CONCLUSIONS

This facial serum containing L-Ascorbic acid, Pre and Proteoglycans presents a statistically significant moisturizing action during 6 hours after a single application in comparison with an untreated control.

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