



peelmoist™

molecular film

Peeling and moisturisation, a powerful alliance



peeling

Exfoliation is essential, not only to keep the skin smooth and healthy but to guarantee a good protection against external aggressions. Younger skin is more efficient at this process, but with aging, the turnover rate of Stratum Corneum (SC) decreases and skin becomes rough and dry. This fall in the epidermal turnover time is because of a higher interaction between corneocytes in older skin.



moisturisation

There is a connection between dry skin and altered desquamation: an abnormal desquamation leads to a disruption of the water barrier function and consequently to a dehydration tendency of the SC, and on the other hand skin dryness is able to alter the desquamation process. Thus a proper moisturisation after exfoliation is necessary.

peelmoist™ *molecular film* is designed to obtain an optimized delivery of papain, a proteolytic enzyme that selectively degrades the corneodesmosomal linkages between damaged or dead cells.



delivery system

It also provides an improved moisturisation to the skin and preserves the natural barrier function of the epidermis, due to the ingredients contained from the Natural Moisturizing Factor.

INCI

Water (Aqua), Glycerin, Papain, Calcium Pantothenate, Xanthan Gum, Urea, Caprylyl Glycol, Proline, Alanine, Serine, Magnesium Lactate, Potassium Lactate, Magnesium Chloride, Sodium Citrate, Ethylhexylglycerin.

Preservative free.

Dosage

5-10%

Solubility

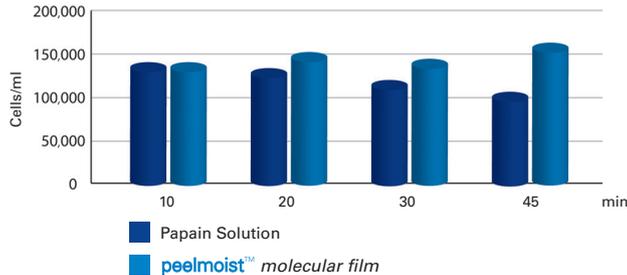
Water soluble.



In vitro efficacy

DESQUAMATION IN KERATINOCYTES

A medium with **peelmoist™ molecular film**, containing 7.5% Papain, or 7.5% Papain Solution, both diluted 1/20, was added to incubated Human Epidermic Keratinocytes (HEK), and they were incubated again for different times. After incubation, medium was collected and desquamated cells counted.

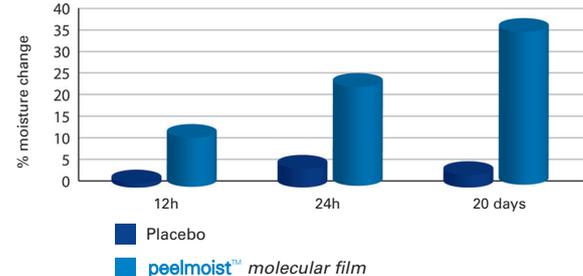


peelmoist™ molecular film improved desquamation on HEK, compared to Papain alone at the tested concentration.

In vivo efficacy

SKIN MOISTURISATION

A panel of 20 women volunteers, aged 20 to 73, applied a gel containing 7% **peelmoist™ molecular film** on one side of the face twice a day for 20 days. A placebo gel was used to treat the other side of the face. Skin moisture measurements were determined after 12 hours, 24 hours and 20 days by corneometry.



peelmoist™ molecular film induced a significant moisturising effect only 24h after application, and provided an improved long-lasting hydration

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