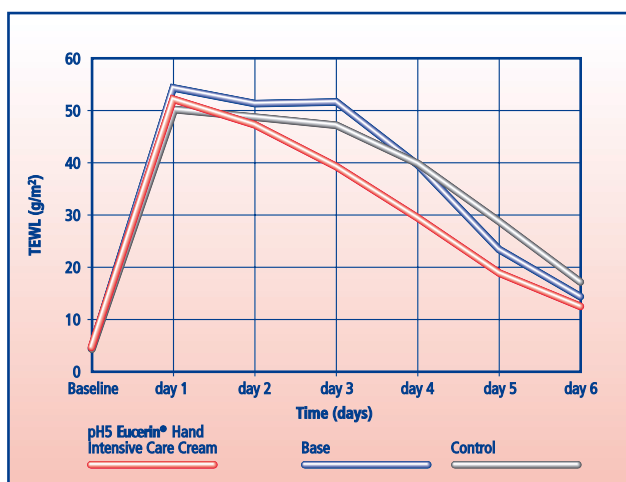


Studies

Study title:	Stimulation of Epidermal Regeneration by 5% Dexpanthenol – Results of a Placebo-Controlled Double-Blind Study
Authors:	S. Presto, A. Wehmeyer, A. Filbry, F. Rippke, S. Bielfeldt
Source:	Z. Hautkr. 2001, 76 (2): 86-90
Study centre:	BioSkin GmbH, Institute for Dermatological Research and Development, Hamburg
Study objective:	Proof of the skin regeneration by 5% dexpanthenol
Test products:	pH5 Eucerin® Hand Intensive Care Cream, cream base
Method:	Double-blind, randomised, placebo-controlled
Participants:	20 healthy volunteers
Diagnosis:	Epidermal lesions induced by suction blister method
Application:	Occlusive for 5 days
Test area:	On the back
Result:	<ul style="list-style-type: none"> • Treatment with pH5 Eucerin® Hand Intensive Care Cream led to a significant acceleration of skin regeneration as measured objectively by transepidermal water loss (TEWL) compared with the dexpanthenol-free cream base. This acceleration was highly significant compared with no treatment. • pH5 Eucerin® Hand Intensive Care Cream is well tolerated even by injured skin.



Change in TEWL values of skin treated with pH5 Eucerin® Hand Intensive Care Cream containing dexpanthenol compared with skin treated with the active-free base and a control area treated with physiological saline.

Conclusion: pH5 Eucerin® Hand Intensive Care Cream stimulates regeneration of injured skin through its high content of dexpanthenol, while being extremely well tolerated by the skin.