

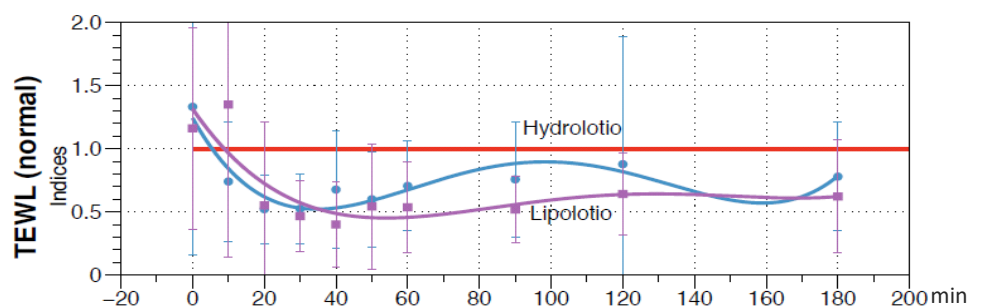


Characterization of the effects of the various types of emulsion in ALLERGIKA®- Hydrolotio and Lipolotio Sensitive on the barrier function of the stratum corneum

Study center	Institute for Applied Dermatopharmacy Martin-Luther-Universität Halle-Wittenberg
Head of Study	Prof. Dr. Johannes Wohlrab
Objective	Characterization of the effects of different types of emulsion on the barrier function of the stratum corneum after a single application on stripped and unstripped skin
Target parameters	1. Transepidermal water loss (TEWL) in the temporal course 2. Water content in the horny layer of the stratum corneum (SC) in the temporal course
Measurement time points	Baseline (before administration), 10, 20, 30, 40, 50, 60, 90, 120 and 180 min after application
Study product	ALLERGIKA® Hydrolotio Sensitive & ALLERGIKA® Lipolotio Sensitive
Study design	Prospective, monocentric, randomized study with intraindividual comparison.
Participant	25 healthy male and female
Study period	1 day; single application test
Application area	Inner forearms (6 test sites).

Results

1. A comparison of the effect curves reveals a pronounced barrier effect in both preparations
2. Both preparations are very well tolerated by all participants
3. ALLERGIKA® Hydrolotio Sensitive performed a barrier effect which is significant from 20 to 40 min after administration.
4. ALLERGIKA® Lipolotio Sensitive show similar, but significantly longer-lasting barrier effects.



Conclusion

Both preparations shows a significant barrier effect. While the O/W Lotion (ALLERGIKA®-Hydrolotio Sensitive) acts faster - but also shorter-, the W/O Lotion (ALLERGIKA®-Lipolotio Sensitive) shows a more permanent effect . ALLERGIKA®-Hydrolotio Sensitive is therefore particularly suitable for the basic treatment of acute skin conditions, while ALLERGIKA® -Lipolotio Sensitive suitable for preventive long-term care of chronic skin diseases.