

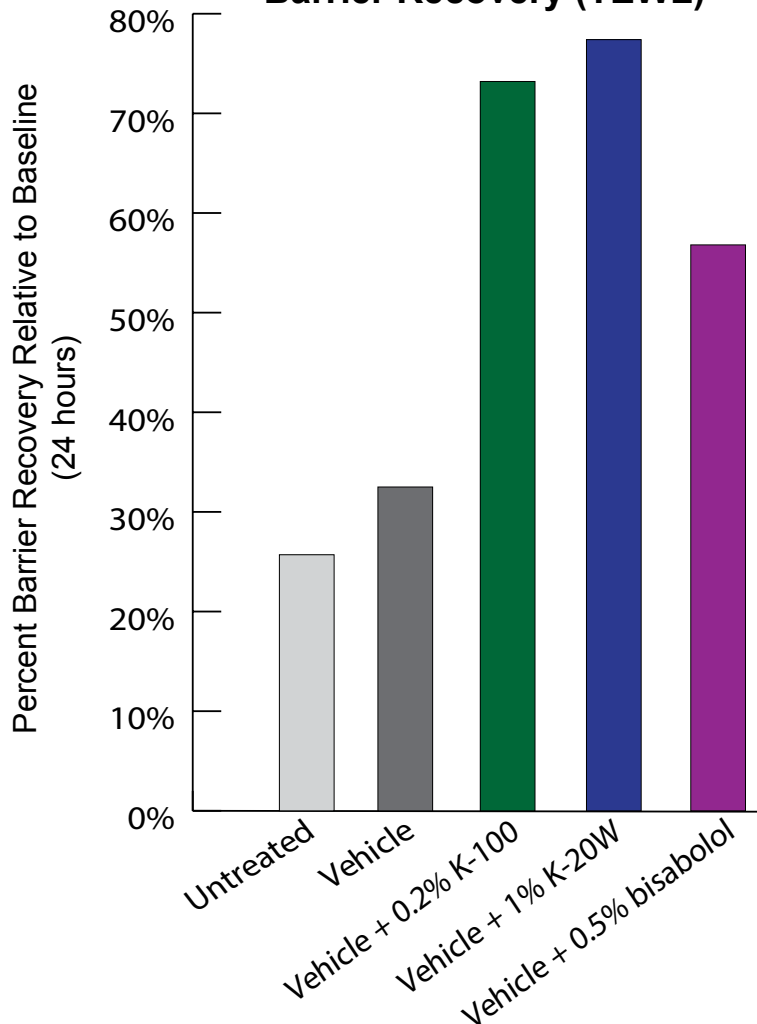
ENHANCED BARRIER RECOVERY WITH FLORAESTERS K-100® JOJOBA AND FLORAESTERS K-20W® JOJOBA / NONWOVEN WIPES

CS 11-035



Floraesters K-100 Jojoba and Floraesters K-20W Jojoba in a Nonwoven Baby Wipe Increases Barrier Recovery Associated with Irritation

Barrier Recovery (TEWL)



A baby wipe containing 0.2% Floraesters K-100 Jojoba or 1% Floraesters K-20W Jojoba increased barrier recovery as measured by Tewameter (TEWL) better than the vehicle baby wipe and better than the baby wipe containing 0.5% of the known anti-irritant bisabolol.¹

Baseline (pre-shave, pre test article treatment) TEWL measurements were taken on normal forearms. The forearms were then dry shaved followed by post-shave (30 minutes post-shave, pre test article treatment) measurements. The respective baby wipes were then applied to each test site. An additional baby wipe application was made 4 hours later. Measurements were repeated 24 hours post test article application.

Percent of barrier recovery was determined relative to the baseline values. Floraesters K-20W Jojoba and Floraesters K-100 Jojoba produced statistically significant ($p < 0.05$) better percent barrier recovery over the vehicle. Floraesters K-20W Jojoba also produced statistically significant ($p < 0.05$) better percent barrier recovery over bisabolol.

Vehicle (%wt./wt.): water (q.s.), propylene glycol (2.00%), PEG-40 hydrogenated castor oil (1.25%), PPG-26 Buteth-26 (and) PEG-40 hydrogenated castor oil (1.00%), decyl glucoside (0.30%), methylisothiazolinone (0.10%), disodium EDTA (0.05%), and citric acid (q.s.)



Floratech Ingredients: Floraesters K-100 Jojoba and Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL_11-036) was conducted on a panel of 14 healthy men and women ranging from 26 to 55 years of age with normal volar forearms. The data presented above was taken over 2 days with 2 applications of the test article and TEWL measurements taken under controlled temperature and humidity conditions. This study was double-blind and randomized. Alpha-Bisabolol Natural was supplied by BASF Corporation. Tewameter TM300 is a product of Courage+Khazaka. (Clinical Study 11-036 report available upon request.)

1. STANZYL K, VOLHARDT J. "THE CASE OF ALPHA-BISABOLOL." HANDBOOK OF COSMETIC SCIENCE AND TECHNOLOGY. ED. AO BAREL, M PAYNE, AND HI MAIBACH. NEW YORK, NY: MARCEL DEKKER, 2001. 277-84. PRINT.