

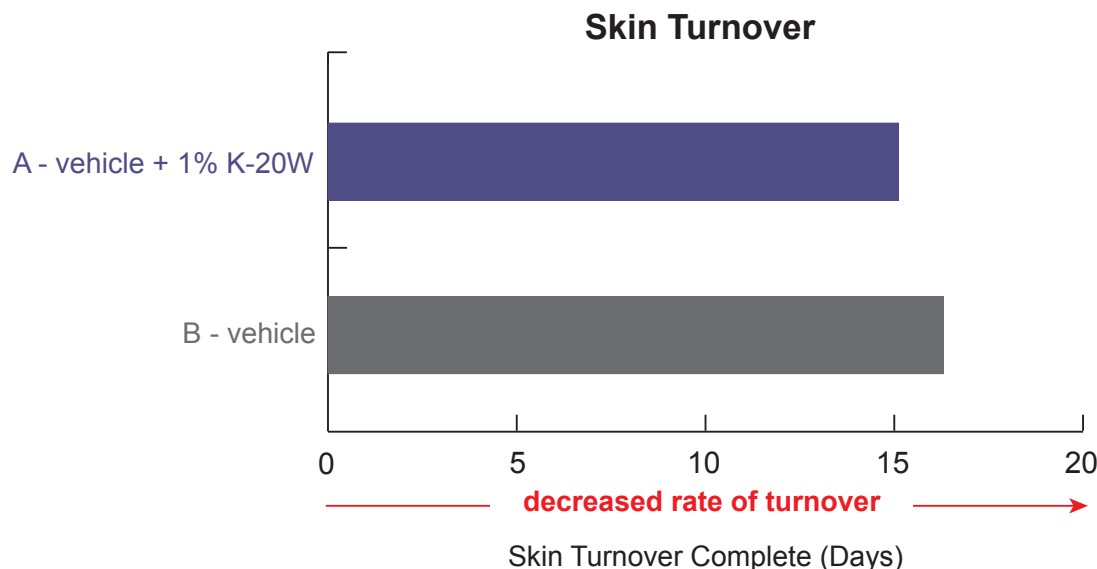


INCREASED RATE OF SKIN TURNOVER WITH FLORAESTERS K-20W® JOJOBA

CS 17-097



Floraesters K-20W Jojoba in a Lotion Increased the Rate of Skin Turnover



Objective:

To evaluate Floraesters® K-20W Jojoba for its potential to increase the rate of skin (stratum corneum) turnover (desquamation) when used in a lotion with 2% glycolic acid.

Method:

Skin turnover was evaluated using fluorescent staining (*i.e.* dansyl chloride) over 30 days with twice-daily at-home lotion test article use.

Results:

The lotion containing **1% Floraesters K-20W Jojoba** demonstrated a **7.7% improvement in skin turnover** compared to the vehicle.

Floratech Ingredient: Floraesters K-20W Jojoba

A = vehicle lotion + 1% Floraesters K-20W Jojoba / B = vehicle lotion

Vehicle Lotion (%wt/wt): Water (q.s.), Glycolic Acid (2.0%), Propanediol (1.0%), Ammonium Acryloyldimethyltaurate/VP Copolymer (0.6%), Hydroxyethylcellulose (0.3%), Disodium EDTA (0.1%), and Methylisothiazolinone (0.7%). (pH = 2.5-3.0)

The clinical study of Floratech® test formulation (CTL_17-071) was conducted on a panel of 19 healthy male and female subjects, ranging from 30 to 52 years of age (mean age = 41). The duration of the study was 33 (including the 3 day washout) days with twice-daily applications of each lotion test article over the assigned testing areas (which were stained with fluorescence). Visual evaluations of fluorescence were made at least 3 times per week, until fluorescence was no longer visible (indication of complete skin turnover). This study was double-blind and randomized. The inclusion of Floraesters K-20W Jojoba resulted in a statistically significant ($p < 0.05$) improvement in the rate of skin turnover compared to the vehicle. (Clinical Study 17-071 report available upon request.)