

Better, deeper product absorption after cleansing with CLARISONIC® Skin Care Brush

Akridge R, Harris W, Henes E, Ortblad K, Peterson G;
Pacific Bioscience Laboratories, Inc., Bellevue, WA



clarisonic
skin care brush
The only device to clean deep.

Objective

Dermatologists, aestheticians and CLARISONIC® Skin Care Brush users report better absorption of serums and moisturizers following cleansing with the CLARISONIC vs. other methods. In a product absorption study, we evaluated whether the CLARISONIC allowed improved absorption of an antioxidant commonly used in over-the-counter anti-aging products.

Methods

Nine subjects who are CLARISONIC users participated in the study. An aesthetician cleansed one-half of each subjects' forehead with the CLARISONIC and a low-foaming cleanser for 20 seconds. The other half of the forehead was cleansed manually with a low-foaming cleanser for 20 seconds. Cleanser remaining was gently removed with a moist cotton gauze. An equal amount of a 16% solution of Vitamin C was applied to a defined location on each side of the forehead. The Vitamin C solution was allowed to absorb for 20 minutes. To determine the amount and depth of product absorption, D-Squame® tape was used to remove layers of corneocytes from the stratum corneum (the outer layers of the skin). Ten D-Squame tapes were sequentially collected and analyzed for presence and amount of Vitamin C present in each collected sample of the stratum corneum. The first two samples represent product that was not absorbed. The remaining eight samples were further analyzed for the amount and depth of absorption.

Results

Eight out of nine (89%) subjects demonstrated increased absorption of the antioxidant on the side cleansed with the CLARISONIC skin care brush. On average, 31.7% more Vitamin C was absorbed on the CLARISONIC side than the manual side ($p=0.008$, Wilcoxon signed-rank test). Greater depth of penetration was noted after CLARISONIC cleansing, with 53.7% more Vitamin C present in the deepest four layers of the stratum corneum collected.

