

## ACB Fruit Mix Efficacy Data

**Code:** 20343  
**INCI Name:** Water & Vaccinium Myrtillus Fruit/Leaf Extract & Saccharum Officinarum (Sugar Cane) Extract & Citrus Aurantium Dulcis (Orange) Fruit Extract & Citrus Limon (Lemon) Fruit Extract & Acer Saccharum (Sugar Maple) Extract  
**CAS #:** 7732-18-5 & 84082-34-8 & 91722-22-4 & 84012-28-2 & 84929-31-7 & 91770-22-8  
**EINECS #:** 231-791-2 & 281-983-5 & 294-424-5 & N/A & 284-515-8 & 294-807-7

Type of Study	Results
<b>Cellular Renewal Assay</b>	ACB Fruit Mix was evaluated for its ability to accelerate cell renewal by means of a traditional Dansyl Chloride protocol. The results indicate that ACB Fruit Mix is capable of increasing cellular renewal by 24.0% when compared to the untreated biological control.
<b>Therapeutic Index</b> <i>(Please refer to Technical Data Sheet for additional information as there is no study attached)</i>	The comparison of therapeutic indices suggests that ACB Fruit Mix rates higher on the therapeutic index than both synthetic glycolic and lactic acids.



## Cellular Renewal Assay

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**Tradename:** ACB Fruit Mix

**Code:** 20343

**Test Request Form #:** 453

**Sponsor:** Active Concepts, LLC; 107 Technology Drive Lincolnton, NC 28092

**Study Director:** Erica Segura

**Principle Investigator:** Meghan Darley

### Abstract

**ACB Fruit Mix** was evaluated for its ability to accelerate cell renewal by means of a traditional Dansyl Chloride protocol.

### Methods & Materials

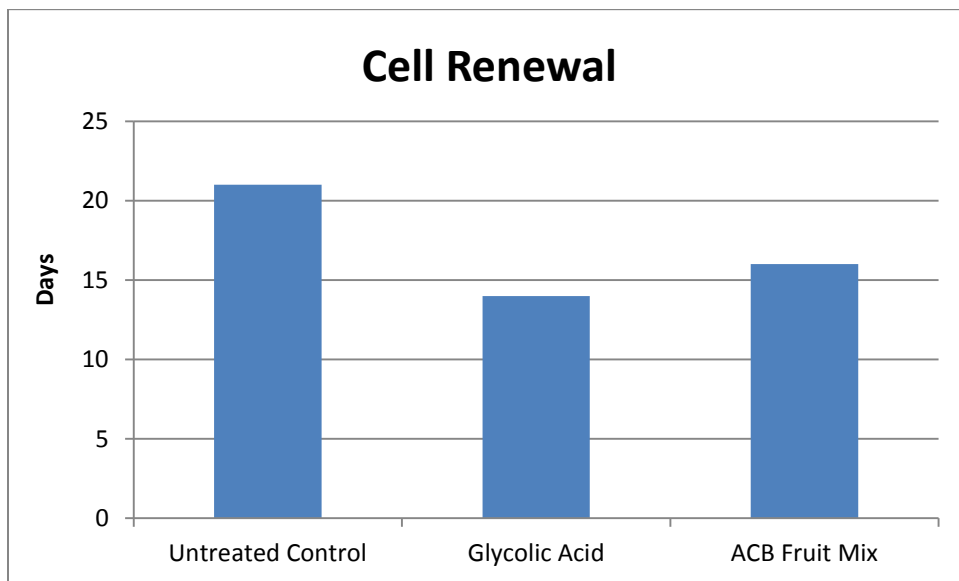
A 5% Dansyl Chloride was prepared by dispersing Dansyl Chloride 95% (Sigma) in petrolatum. Approximately 0.2 g of the ointment was applied to three 2cm x 2cm locations on the volar forearm of 12 (M/F) subjects between the ages of 20 and 45. The material was allowed to remain in place for 24 hours at which time any excess ointment was removed.

Two products were tested, with the remaining untreated site serving as the biological control. The products were applied in a randomized fashion. Approximately 50  $\mu$ l of product was applied to the appropriate test site once per day. The sites were then examined daily under ultraviolet light (SL-3660 Long Wave Ultra Violet, Black Light Eastern Corp., Westbury, Long Island, NY) for fluorescence. The test was continued until no fluorescence was detectable at any site. The values listed reflect the average time for each product.

### Results:

Material	Concentration	Days	% Cell Renewal
Glycolic Acid	4%	14	33
Untreated Control	N/A	21	N/A
ACB Fruit Mix	5%	16	24

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### Discussion

The results indicate that **ACB Fruit Mix** is capable of increasing cellular renewal by 24% when compared to the untreated biological control.