

ACB Yogurt Extract

Probiotic + Efficacious Moisturizer + Enhances Cellular Renewal



Tomorrow's Vision... *Today!*[®]

ACB Yogurt Extract

Technical Information:



Product Code: 20070

INCI Name: Water & Yogurt Extract

INCI Status: Approved

Suggested Use Levels: 1.0–10.0%

Suggested Applications: Moisturizing, Exfoliating, Probiotic

Solubility: Water soluble

Yogurt

History:



- Most commonly known probiotic
- Was used as a preservative in Middle Eastern civilizations as early as 2,000 BC
- Created by inoculating milk with *L. bulgaricus* and *S. thermophilus*



Yogurt

Benefits:

- ✓ Inhibits virulent and pathogenic microbial growth
- ✓ Rich in vitamins & minerals
 - Specifically, calcium!
- ✓ Improves health
- ✓ Improves skin conditions



Yogurt + Cosmetics



- Milk has been shown to contain growth factors that:
 - ✓ Stimulate fibroblast proliferation
 - ✓ Stimulate the production of extra cellular proteins, such as collagen
- Yogurt contains lactic acid bacteria (LAB)
 - One of the main products produced by LAB is lactic acid
 - Lactic acid is a member of the alpha hydroxy acids (AHAs)

Lactic acid has been shown to break down the skin's lipids thus allowing the dead cells' outer layer to fall off, providing exfoliation while simultaneously providing excellent moisturizing attributes

ACB Yogurt Extract

Benefits:



- ✓ Potent moisturizer
- ✓ Probiotic material
- ✓ Brand differentiating
- ✓ Effective exfoliator
- ✓ Softens & rejuvenates the skin
- ✓ Promotes a healthier looking complexion

ACB Yogurt Extract is standardized to contain 15.0-20.0% lactic acid

ACB Yogurt Extract Efficacy Assay Results

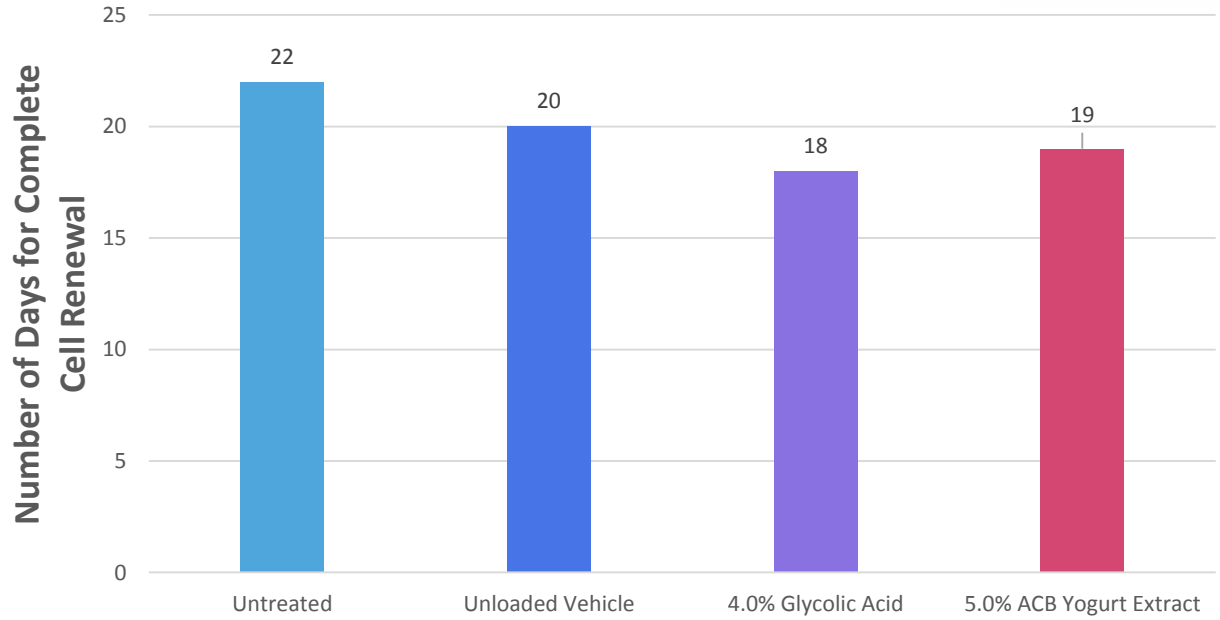
Protocol:



- A 5.0% Dansyl Chloride was prepared by dispersing Dansyl Chloride 95.0% (Sigma) in petrolatum
- ~2.0g of the ointment were applied to three 2.0x2.0cm locations on the volar forearm of each panelist
- The material was allowed to remain in place for 24 hours at which time any excess ointment was removed
- ~ 50.0 μ L of product were applied to the appropriate test site once per day
- The sites were examined daily under ultraviolet light (SL-3660 Long Wave Ultra Violet, Black Light Eastern Corp) for fluorescence
- The test was continued until no fluorescence was detected at any site

ACB Yogurt Extract Efficacy Assay Results

Dansyl Chloride Assay

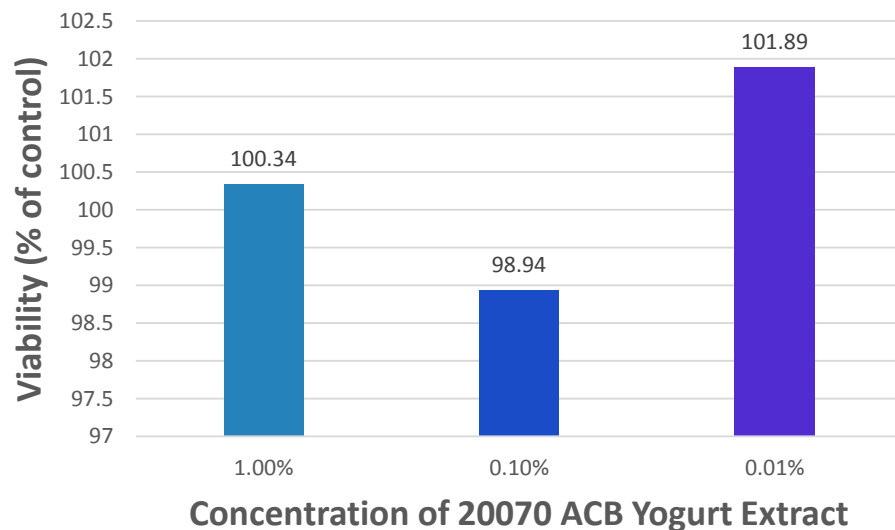


Results:

5.0% **ACB Yogurt Extract** positively effected cellular renewal

ACB Yogurt Extract Efficacy Assay Results

Cellular Viability Assay



Protocol

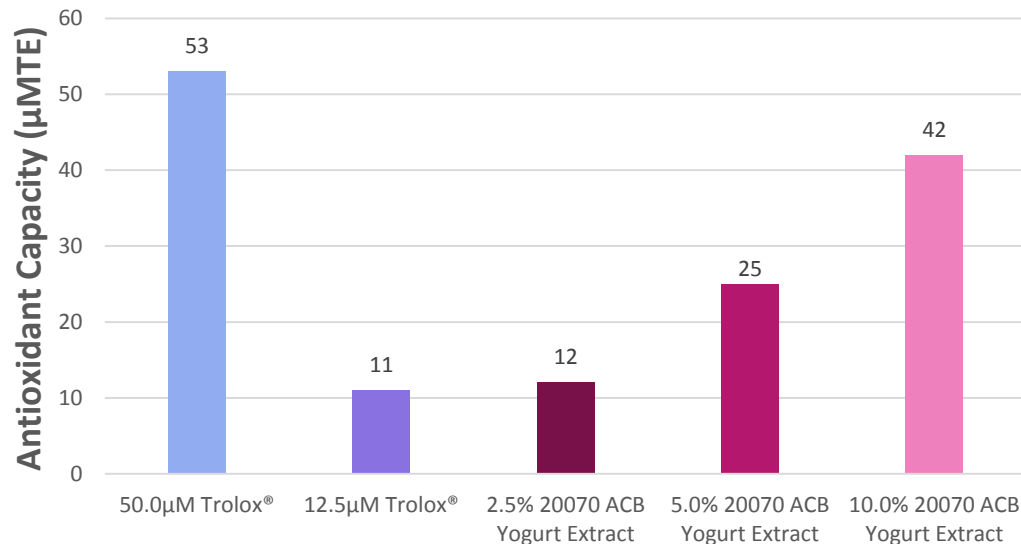
- Human dermal fibroblasts were seeded into 96-well tissue culture plates and allowed to grow to confluence in complete Dulbecco's Modified Eagle Medium (DMEM) and incubated for 24 hours
- Cellular metabolism of **ACB Yogurt Extract**-treated fibroblasts expressed in terms of percent of control

Results:

ACB Yogurt Extract exhibited positive results by increasing cell metabolism

ACB Yogurt Extract Efficacy Assay Results

ORAC Assay



Protocol

- Trolox® was used as the positive control
- Solutions were prepared at three concentrations
- Fluorescent measurements were taken every two minutes for two hours

Results:

The antioxidant capacity of **ACB Yogurt Extract** increased as its concentration increased, as a result we can assure that its ability to minimize oxidative stress is dose dependent

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