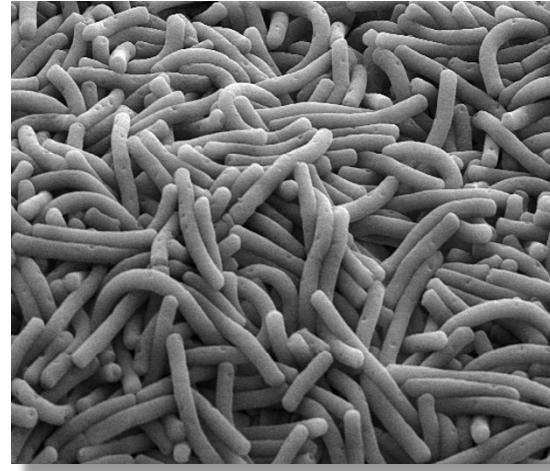


# ACB Yogurt Dermal Respiratory Factor PF

Cellular Respiration + Collagen Production + Probiotic + Soothing + ATP Synthesis



Tomorrow's Vision... *Today!*<sup>®</sup>

# ACB Yogurt Dermal Respiratory Factor PF



## Technical Information

**Product Code:** 20224PF

**INCI Name:** Lactobacillus Ferment Lysate Filtrate

**INCI Status:** Conforms

**Suggested Use Level:** 2.0 - 5.0%

**Suggested Applications:** Cellular Respiration, Collagen Production, Probiotic, Soothing, ATP Synthesis

# ACB Yogurt Dermal Respiratory Factor PF



## *Lactobacillus bulgaricus*

- *Lactobacillus bulgaricus* cells are stressed with UV radiation
  - ✓ Cells secrete stress response factors (also called heat shock proteins (HSP's) or heat response elements )
  - ✓ Biofermentation and various filtration techniques are used to then isolate and extract the secretion from live bacteria
- Non-Animal Derived + Non-Dairy
- Derived from bacteria that is used to inoculate milk to create yogurt

# ACB Yogurt Dermal Respiratory Factor PF



## Product Benefits

- ✓ Increases oxygen uptake/cellular respiration
- ✓ Antioxidant
- ✓ Enhances ATP Synthesis/cellular energy
- ✓ Enhances collagen production
- ✓ Increases fibroblast proliferation
- ✓ Reduces Redness - Soothing

Ideal for use in baby care, after sun care, sensitive skin, scalp care applications and to provide potent anti-aging benefits

# ACB Yogurt Dermal Respiratory Factor PF

## Oxygen Uptake Assay

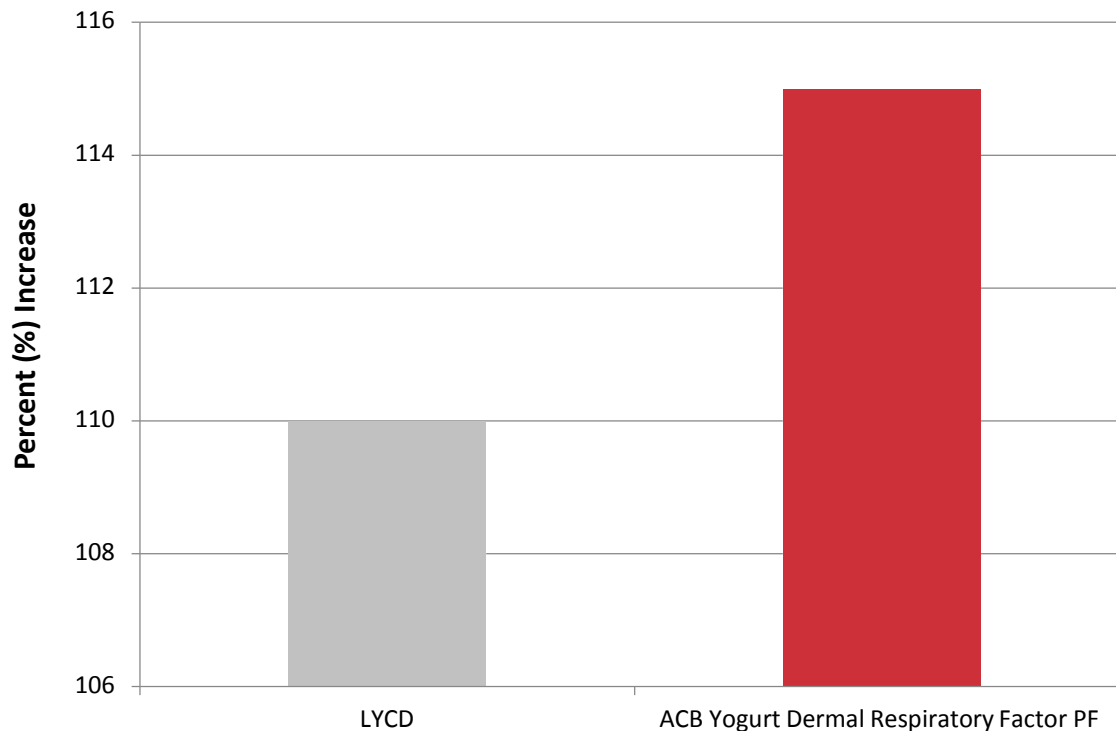


Figure 1: Oxygen Uptake of **ACB Yogurt Dermal Respiratory Factor PF** compared to LYCD.

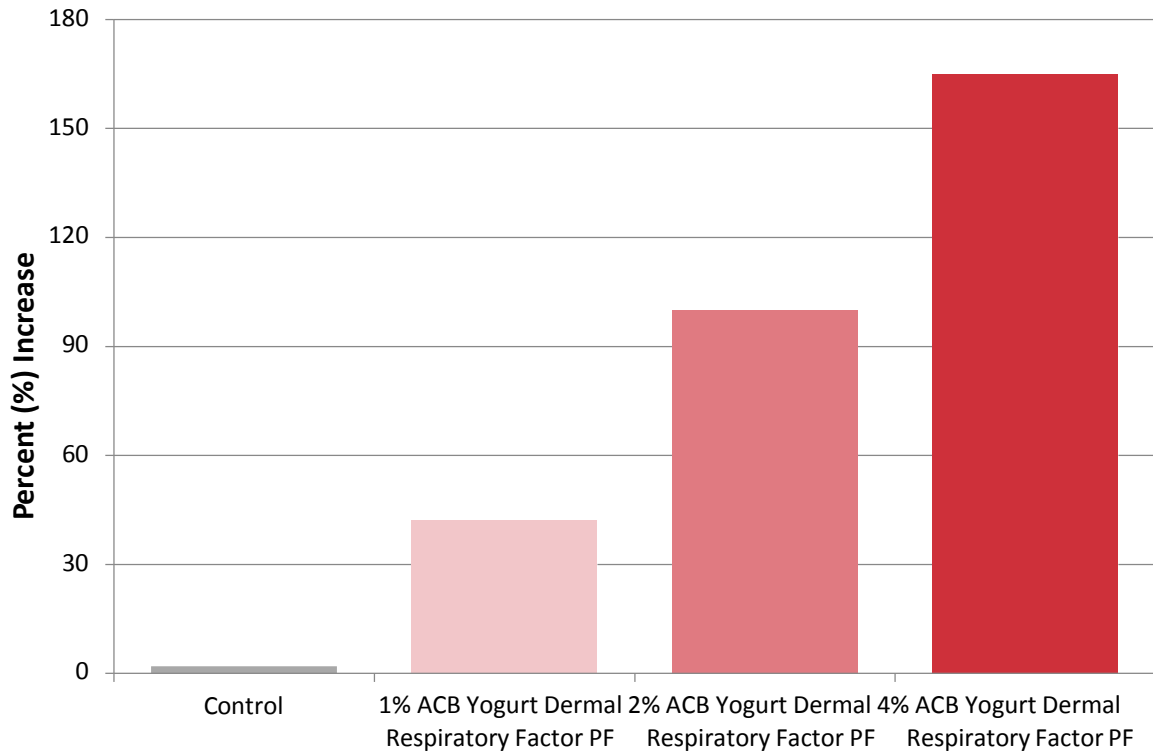
### Protocol

- Increased oxygen uptake indicates cellular respiration
- Cultured human fibroblasts were used
- According to the results, 5% **ACB Yogurt Dermal Respiratory Factor PF** can substantially increase oxygen uptake

\*LYCD or Live Yeast Cell Derivative has traditionally been used to measure oxygen uptake.

# ACB Yogurt Dermal Respiratory Factor PF

## Collagen Production Assay



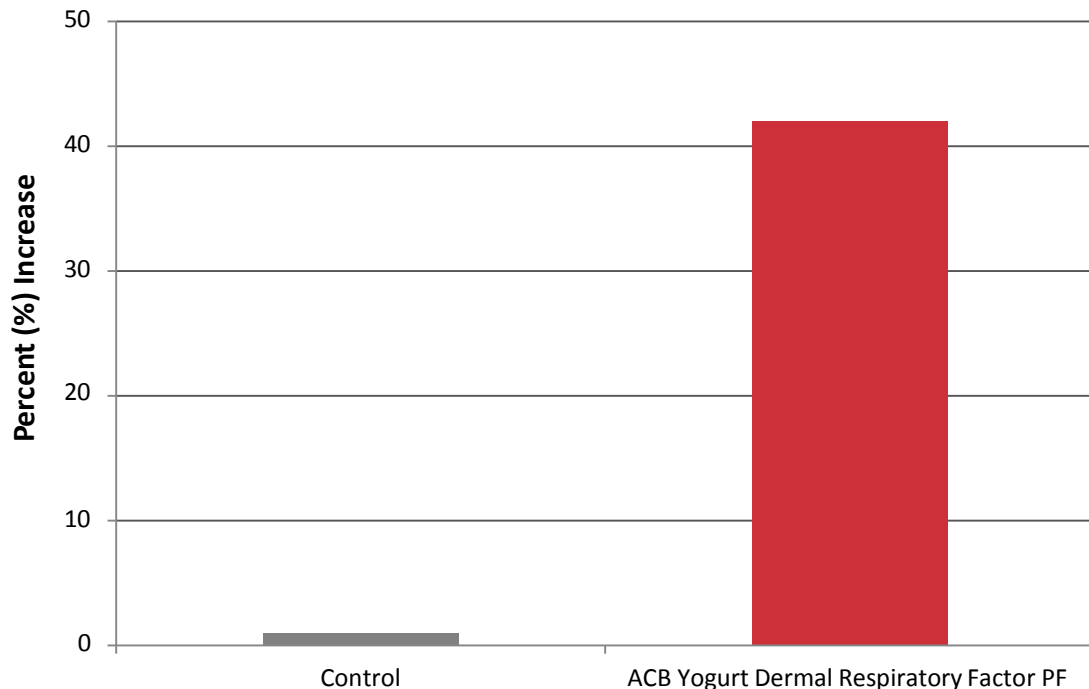
**Figure 2:** Increase in collagen production following application of **ACB Yogurt Dermal Respiratory Factor PF**.

### Protocol

- Collagen I is a major component of the dermis & provides structure & elasticity to the skin
- Three dose levels were compared to the control – 1%, 2% & 4%
- Results were determined by the ELISA Assay
- According to the results, 4% **ACB Yogurt Dermal Respiratory Factor PF** was most effective at increasing Collagen I synthesis

# ACB Yogurt Dermal Respiratory Factor PF

## ATP Synthesis Assay



**Figure 3:** Increase in ATP Synthesis following application of **ACB Yogurt Dermal Respiratory Factor PF**.

### Protocol

- An increase in ATP synthesis demonstrates an increase in cellular metabolism
- **2.0% ACB Yogurt Dermal Respiratory Factor PF** was tested
- After 24 hours there was a 42% increase in ATP levels
- **ACB Yogurt Dermal Respiratory Factor PF** showed a significant increase in ATP levels compared to the control

# ACB Yogurt Dermal Respiratory Factor PF

## ORAC Assay

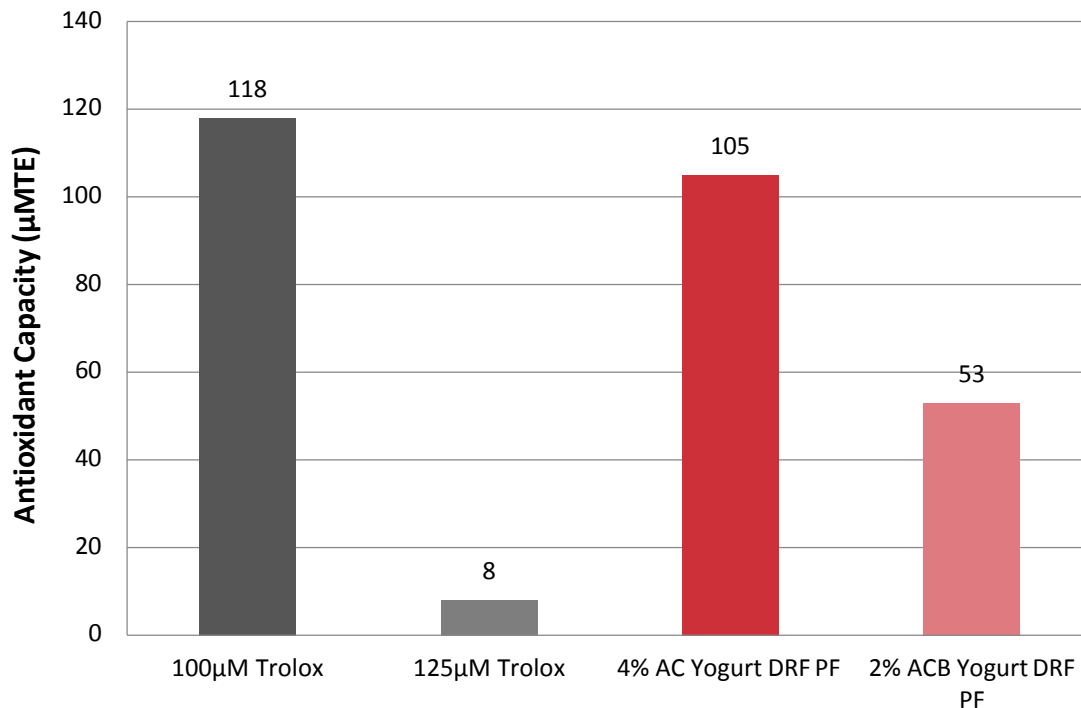


Figure 4: Results of antioxidant capacity of test materials.

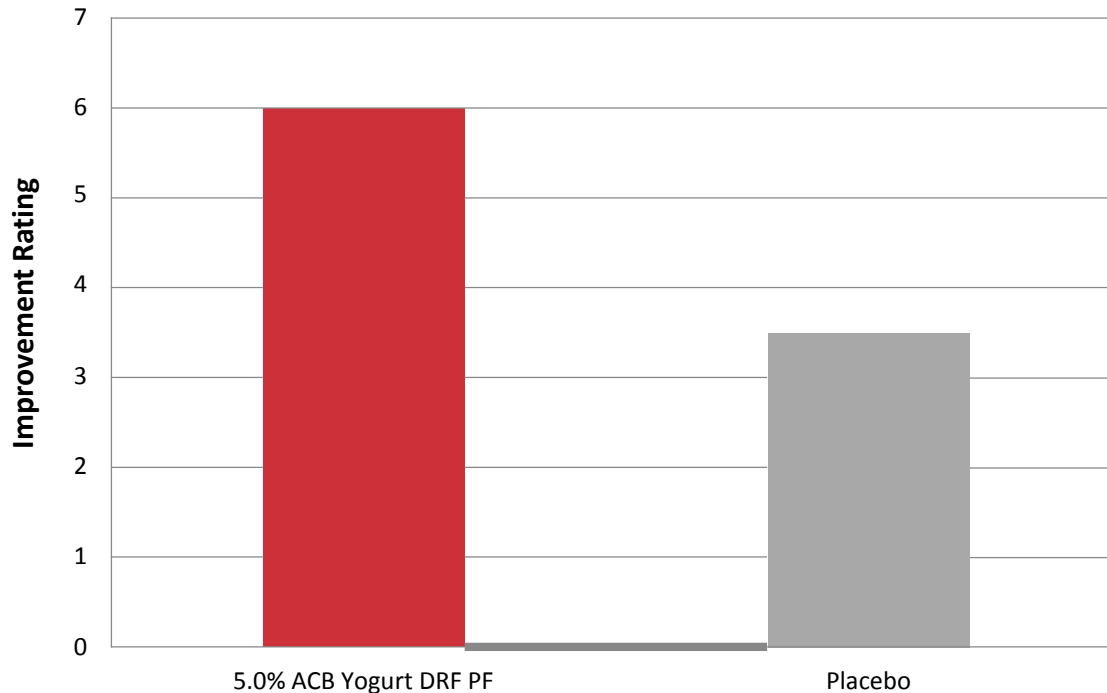
## Protocol

- Trolox is used as the positive control
- Solutions were prepared at two concentrations for a reference
- Fluorescent measurements were taken every 2 minutes for 2 hours
- **ACB Yogurt Dermal Respiratory Factor PF** at 2.0% & 4.0%.



# ACB Yogurt Dermal Respiratory Factor PF

## Anti-Irritation Assay – Average Rating



**Figure 5:** Average anti-irritancy ratings for ACB Yogurt Dermal Respiratory Factor PF compared to the placebo.

### Protocol

- **Subjects:** 10 (m/f)
- **Test area:** Volar Forearm
- **Concentration of active used:** 5.0%
- **Frequency of application:** Twice Daily

# ACB Yogurt Dermal Respiratory Factor PF

## Anti-Irritation Assay – Before & After Pictures



Figure 6: Subject 1 - Before



Subject 1 - After

Pictures were taken right after irritation & 15 minutes after application of 5% ACB Yogurt DRF PF



Figure 7: Subject 2 - Before



Subject 2 - After

The images show a significant reduction in redness/irritation after using ACB Yogurt DRF PF

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**THANK YOU**

**For more information –Visit our website!**

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