ACB Yogurt Dermal Respiratory Factor PF
Cellular Respiration + Collagen Production + Probiotic + Soothing + ATP Synthesis

Tomorrow’s Vision... Today!®
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
**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
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
Oxygen Uptake Assay

**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

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
ATP Synthesis Assay

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

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

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%.

Figure 4: Results of antioxidant capacity of test materials.
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

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

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

Figure 6: Subject 1 - Before

Figure 7: Subject 2 - Before

Subject 1 - After

Subject 2 - After
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THANK YOU
For more information – Visit our website!
www.activeconceptsllc.com