

ACB Yerba Santa Glycoprotein PF

Moisturizing + Enhances Emolliency + Enhances Combability



Tomorrow's Vision... *Today!*[®]

ACB Yerba Santa Glycoprotein PF

Technical Information:



Code: 20342PF

INCI Nomenclature: *Lactobacillus/ Eriodictyon californicum*
Ferment Extract

INCI Status: Approved

Suggested Use Level: 1.0-5.0%

Suggested Application: Moisturizes, Enhances Emolliency,
Enhances Combability

Skin Care Regimens



- Moisturizers are part of most skin care regimens
 - Majority are animal/plant derived lipids
- Alternative is to use non-lipid, plant-derived moisturizers
 - Perceived by consumers as “healthy”
- Typical trends include:
 - Regional botanicals
 - Botanicals high in antioxidants and/or other beneficial phytochemicals

Yerba Santa

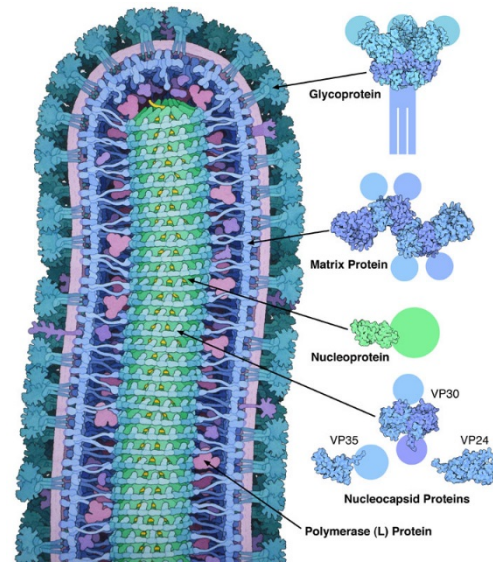


- Originated in California and Northern Mexico
- Traditionally used to treat bronchial, laryngeal and pulmonary infections
- Rich in mucopolysaccharides and glycoproteins



Glycoproteins

- Have moisturizing and soothing properties
- Consist of proteins bound to carbohydrates
- In mammals, carbohydrates:
 - Stabilize protein
 - Help maintain confirmation
 - Promote solubility and viscosity



Mucopolysaccharides



- Also known as Glycosaminoglycans
- Long, polysaccharides with repeating disaccharide units
- Found throughout the human body, but especially in mucus and fluid around the joints
- Their positively charged outer coat attracts water molecules
 - Inherently slippery in nature

ACB Yerba Santa Glycoprotein PF



- Product is created by fermenting Yerba Santa (*Eriodictyon californicum*) Glycoprotein PF with *Lactobacillus*
- Process avoids heat or harsh chemicals
- Maximizes efficacy, whereas high heat and harsh chemicals tend to denature phytochemicals

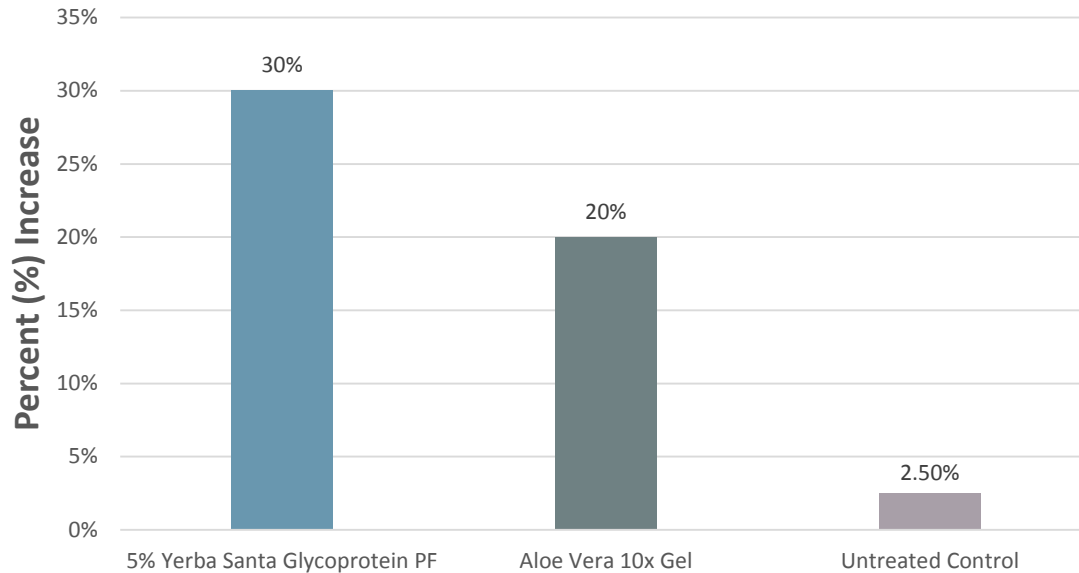
Benefits

- ✓ Moisturizes
- ✓ Enhances emollency
- ✓ Enhances combability
- ✓ Skin feels younger, softer, and smoother
- ✓ May reduce skin irritation
- ✓ Reduces tackiness/drag during or after drying skin
- ✓ Enhances epidermal slip
- ✓ Replaces synthetics such as silicone elastomer solutions



ACB Yerba Santa Glycoprotein PF

Moisturization Assay



Protocol

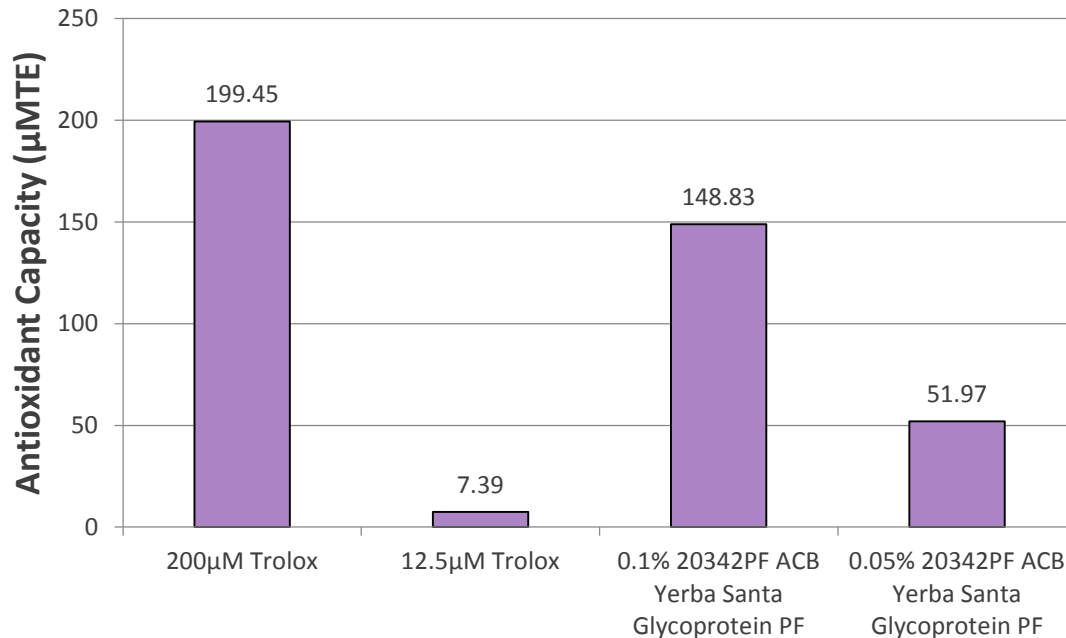
- 12 m/f subjects between the ages of 18 and 45
- 5% Yerba Santa Glycoprotein compared with Aloe Vera 10x Gel
- Nova Impedance Meter used to test the skin patches on the face over 30 days

Results:

Yerba Santa Glycoprotein PF improved hydration 10% better than Aloe Vera 10x Gel

ACB Yerba Santa Glycoprotein PF

ORAC



Protocol

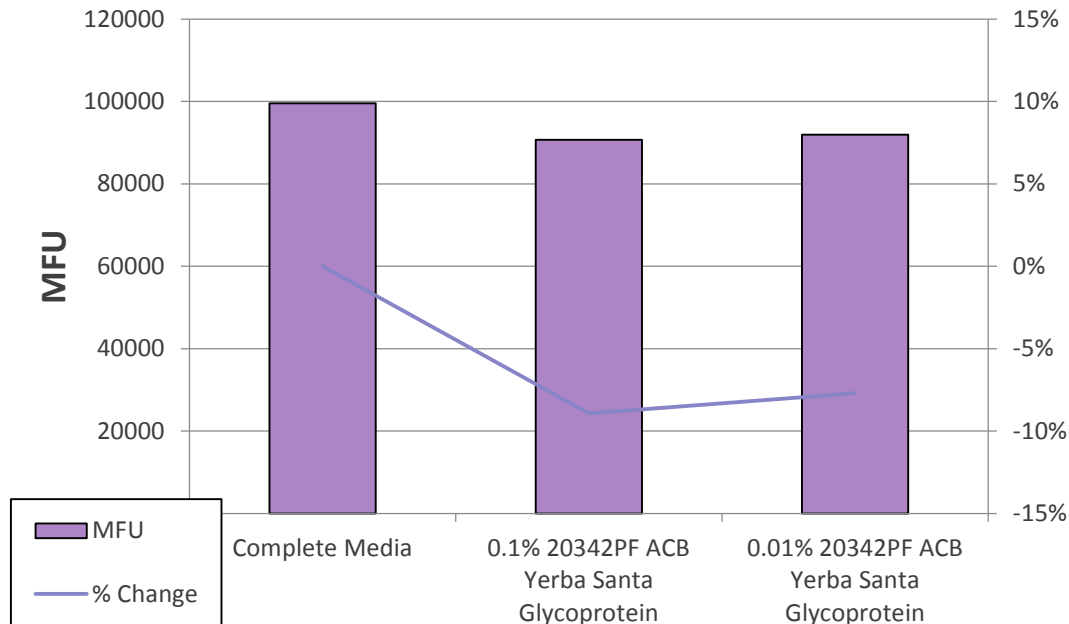
- Solutions of **ACB Yerba Santa Glycoprotein PF** and Trolox® (positive control) were prepared in 75mM potassium phosphate buffer
- Concentrations: 0.05%, 0.1%
- 25µL of test material & Trolox® were combined with 150µL of fluorescein in 75mM potassium phosphate buffer & incubated in the Synergy HT Microplate reader at 37°C for 30 minutes

Results:

Yerba Santa Glycoprotein PF began exhibiting antioxidant activity at a 0.05% concentration and ability to minimize oxidative stress is dose dependent

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Viability Assay



Protocol

- Human dermal fibroblasts were seeded into 96-well tissue culture plates and allowed to grow to confluency in complete DMEM
- **Concentrations:** 0.10%, 0.01%
- Ten microliters of viability reagent was added to 90 μ L of cell culture media in culture wells

Results:

Yerba Santa Glycoprotein PF did not exhibit any inhibition of cell viability and is not cytotoxic

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ACTIVE CONCEPTS LLC



THANK YOU

Please visit and register to use our new website at

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