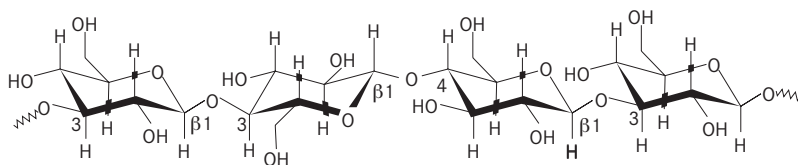


SymGlucan® No. 151719

Multi-Functional Anti-Aging Ingredient

BENEFITS

- Natural product – not chemically modified
- Excellent moisturizer
- Protects skin cells against UV radiation
- Stimulates fibroblast growth and collagen synthesis
- Promotes healing and reduces discoloration of scars
- Stimulates immune defense
- Helps reduce extrinsic signs of aging – non-invasive treatment of skin wrinkles



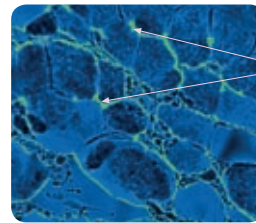
PRODUCT DESCRIPTION

SymGlucan® is made from oats by a patented technology which refines Beta-Glucan to produce a highly active soluble fraction. It is clinically shown to penetrate intact human skin and help reduce the visible signs of aging.

- Polysaccharide of glucose having 1,4- and 1,3-linkage and a molecular weight of 0.5 - 1.0 x 10⁶ Da
- Clear, colorless, odorless liquid
- Recommended dose: 2 - 10%
- INCI: Water (Aqua), Glycerin, Beta-Glucan

**PENETRATES INTACT HUMAN SKIN –
RESULTS FROM SKIN PENETRATION STUDY**

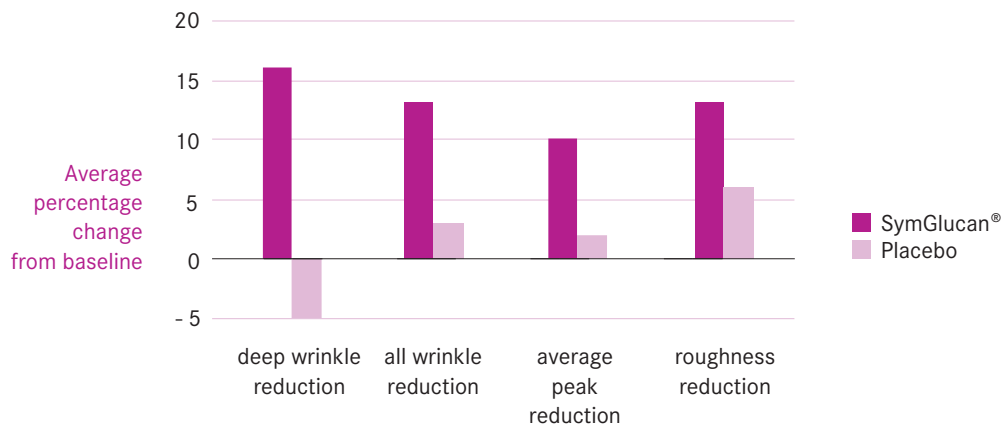
- Sections of abdominal tissue removed surgically without subcutaneous fat
- One application of 5% or 50% SymGlucan® solution
- After 8 hours incubation, the skin tissue cut into thin slices, stained with Calcofluor white and examined using a fluorescent microscope
- Results show that SymGlucan® penetrates into the epidermis and dermis sections of the skin
- Semi-quantitative assay showed that a significant portion has penetrated

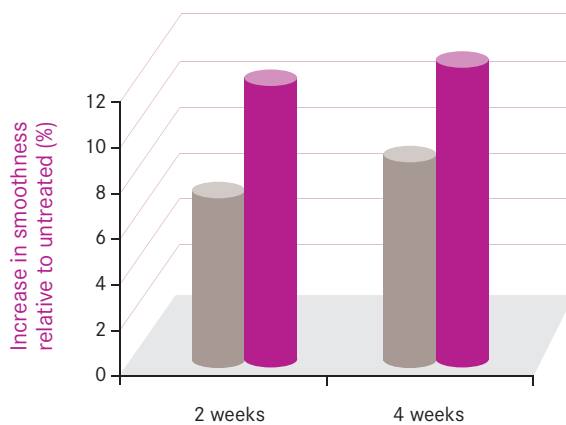
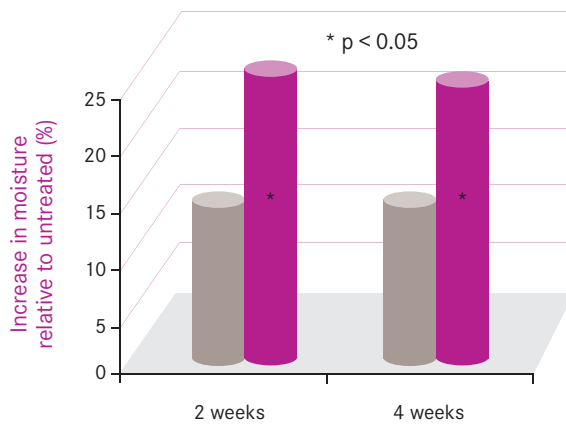
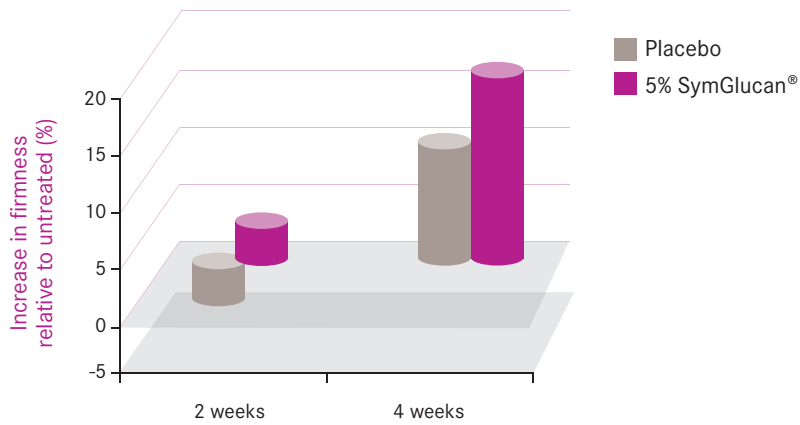


SymGlucan®

**IMPROVES EXTRINSIC SIGNS OF AGING –
RESULTS FROM CLINICAL STUDY**

- 8 weeks photo-aging trial with facial treatment on 27 subjects
- Twice daily application of randomly assigned products – 10% SymGlucan® gel vs. placebo
- Skin elasticity measurements by Cutometer showed significant improvement in skin extensibility
- Macrophotography of the left and right sides of the face demonstrated a reduction in lines and wrinkles
- Image analysis of silicone replicas from outer canthus area showed smoothing effect on the skin





EXCELLENT MOISTURIZER – RESULTS FROM CLINICAL STUDY

- Panel of 10 female subjects
- Test products: emulsion with 5% SymGlucan® and placebo
- 4 weeks, twice daily application on inner side of forearms
- Measurements: moisture, firmness, elasticity and roughness