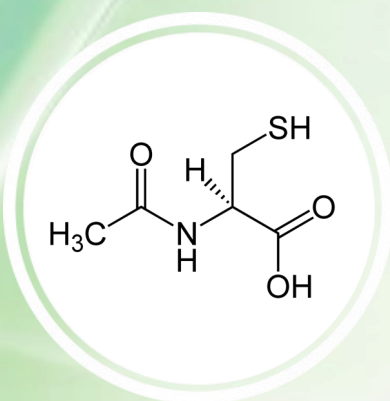


The Advanced Pollution Shielding System for Comfort
and Safety of Your Skin and Scalp

NIO-PROTECT

NIOSOME TECHNOLOGY



Increased Cell Viability after pollution exposure +85%

Increased Dermal Density +75%

Improved Skin Hydration +50% and Elasticity + 12%

AN EFFECTIVE COMPLEX FOR POLLUTION PROTECTION

It is an innovative combination of soybean isoflavones, glycosphingolipids and N-acetyl-L-cysteine (NAC), contained into elastic niosomal vesicles to **actively protect cutaneous cells from damages induced by over-polluted environments**.

NIO-PROTECTS works both strengthening the skin metabolism and improving skin barrier function to pollutants.

NIO-PROTECT IS A COMPLETE ANTI-POLLUTION SYSTEM DEVELOPED TO REINFORCE SKIN NATURAL BARRIER FUNCTION AGAINST POLLUTION AND FIBROBLAST DAMAGES



NIO-PROTECT NATURAL INGREDIENTS

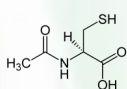
SOY ISOFLAVONES



ANTI-OXIDANT & ANTI-INFLAMMATION

Down-regulate inflammatory signals that degrade collagen fibers

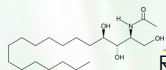
N-ACETYL CYSTEINE



TIGHT-JUNCTION STRENGTH & GSH PRECURSOR

Stimulates keratinocytes expression of intercellular junction to tighten skin barrier architecture and stimulates Glutathione Synthesis

PHYTOCERAMIDE from rice



BARRIER IMPERMEABILITY ENHANCER

Renew lipids of the Intercellular Matrix and improve skin barrier function

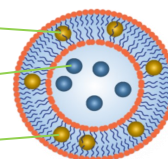
NIO-PROTECT

NATURAL INGREDIENTS ARE ENCAPSULATED INSIDE NIOSOME VESICLES

Soy Isoflavones

N-Acetyl Cysteine

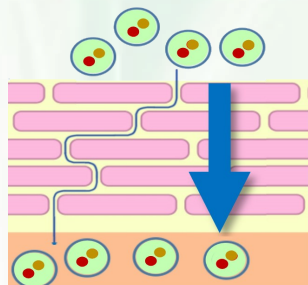
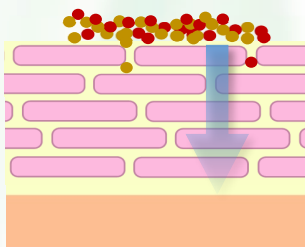
Phytoceramide



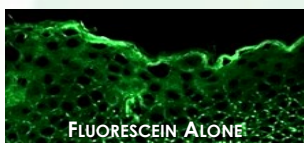
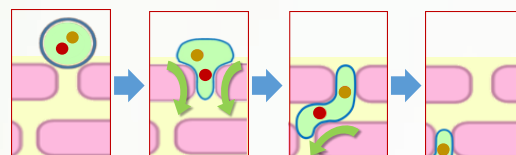
ULTRA-DEFORMABLE NIOSOME

The Most Advanced Skin Delivery System

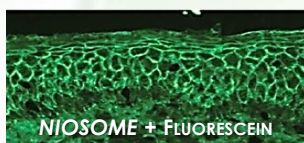
CLASSIC ACTIVE INGREDIENTS



Ultra-Deformable Niosome are elastic vesicles able to **squeeze through Stratum Corneum** reaching living cells inside epidermis increasing the bioavailability of active ingredients



FLUORESCIN ALONE



NIOSOME + FLUORESCIN

**NIOSOME DELIVER ACTIVE INGREDIENTS
WHERE MUST BE REALLY EFFECTIVE**
DRIVING THROUGH THE STRATUM CORNEUM

NIO-PROTECT MODE OF ACTION

POLLUTION FACTORS



++ Toxins & Free Radical

++ Lipid Peroxidation

++ Skin Barrier Degradation

Premature Aging

With NIO-PROTECT



++ Skin Barrier Strengthen

++ Oxidation

++ Dermal Matrix Integrity

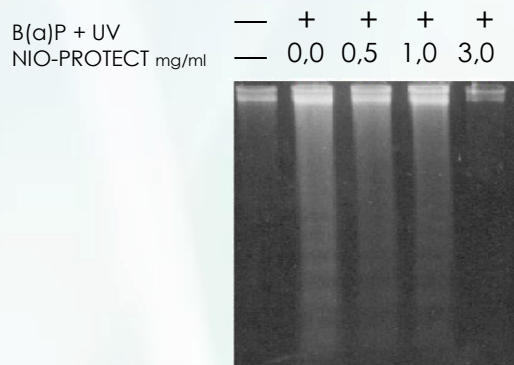
Protected Skin



IN VITRO EFFICACY

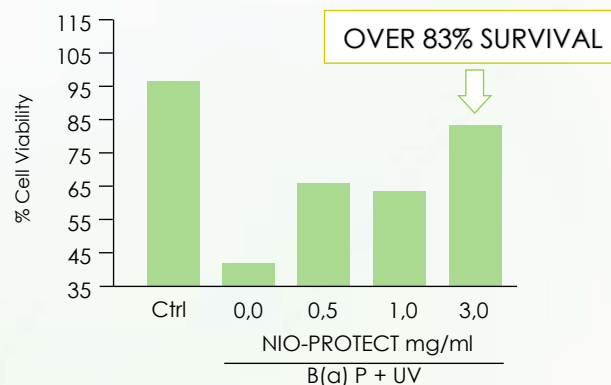
NIO-PROTECT ON DNA INTEGRITY

Measurement of DNA Integrity of NIH 3T3 fibroblast cells cultured with UV-activated Benzopyrene with 0-3 mg/ml NIO-PROTECT for 8 hours



NIO-PROTECT ON CELL SURVIVAL

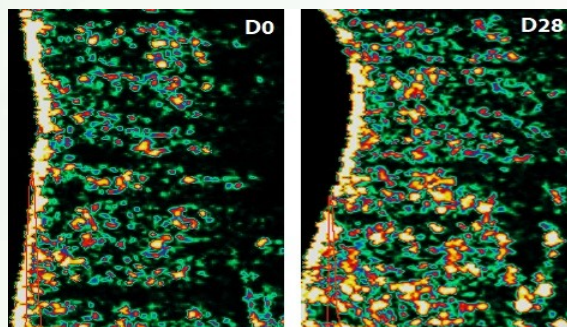
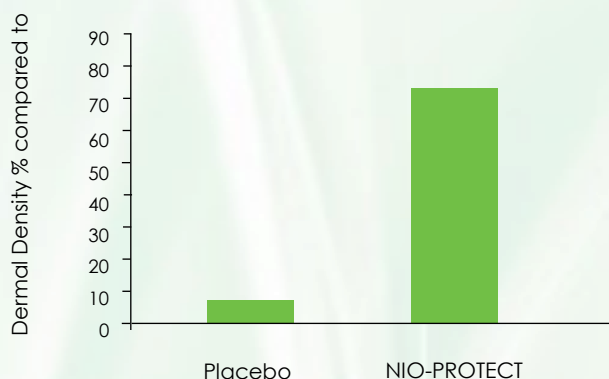
Measurement of Cell Viability of NIH 3T3 fibroblast cells cultured with UV-activated Benzopyrene with 0-3 mg/ml NIO-PROTECT for 8 hours



IN VIVO EFFICACY

NIO-PROTECT ON DERMAL DENSITY

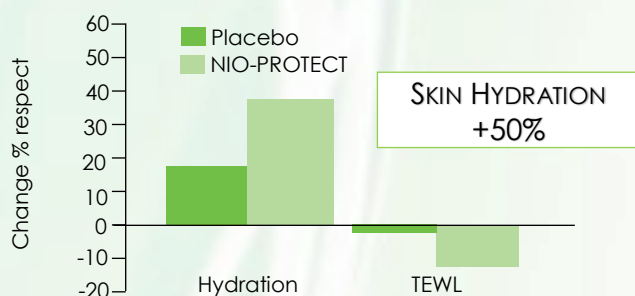
High Resolution Ultrasound Skin-Imaging (Dermascan CortEx) of Dermal Density applying placebo or 3% NIO-PROTECT twice daily for 4 weeks



DERMAL DENSITY +75% IN 4 WEEKS

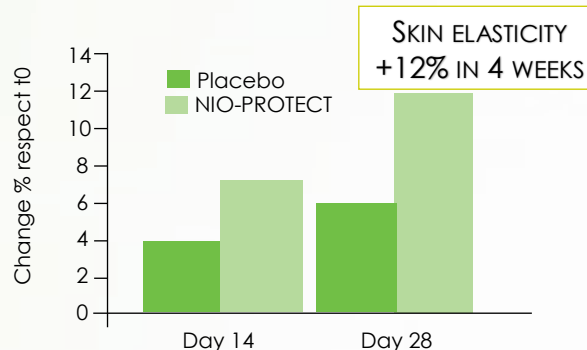
NIO-PROTECT ON SKIN BARRIER

Measurement of Skin Hydration and TEWL using Dermalab Combo technique applying 3% NIO-PROTECT cream or placebo twice daily for 45 days



NIO-PROTECT ON SKIN ELASTICITY

Measurement of Skin Elasticity 3% NIO-PROTECT cream or placebo twice daily after 4 weeks



NIO-PROTECT ON SKIN TEXTURE

Complexion Analysis of Skin Texture applying 3% NIO-PROTECT vs placebo twice daily for 28 days



NIO-PROTECT

NIOSOME TECHNOLOGY

FOR POLLUTION PROTECTION

CLAIMS

- ANTI-AGING
- ANTI-POLLUTION
- REGENERATING
- PROTECTIVE

COSMETIC APPLICATION

- PROTECTIVE SKIN CARE
- ACTIVE MAKE-UP
- ANTI-STRESS PREPARATIONS
- DAY AND NIGHT CREAM

INCI NAME

Soy Isoflavones, Acetyl Cysteine, Glycosphingolipids, Polyglyceryl-10 Oleate, Polyglyceryl-6 Laurate, Sorbitan Palmitate, Aqua/Water

SAFETY & TOXICITY

Reference COMMISSION REGULATION (EC) No 987/2008 of 8 October 2008 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH):

- non-irritating
- non-toxic

FORMULATION SUGGESTIONS

Use Levels:	1 - 3%
pH range:	3,5 - 8,5
Incorporation:	Dilute in water before blending. Do not heat above 50°C
Origin:	Botanical, Biotechnological
Application:	Lotions, O/W and W/O emulsions, Gels
Preservative:	None
Solubility:	Dispersible in water
Compliant regulation:	US - EU - China - Japan
Certification:	COSMOS Pending



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