

ACTIVE
INGREDIENTS

MDI COMPLEX[®]

NEUTRALIZES MMPs

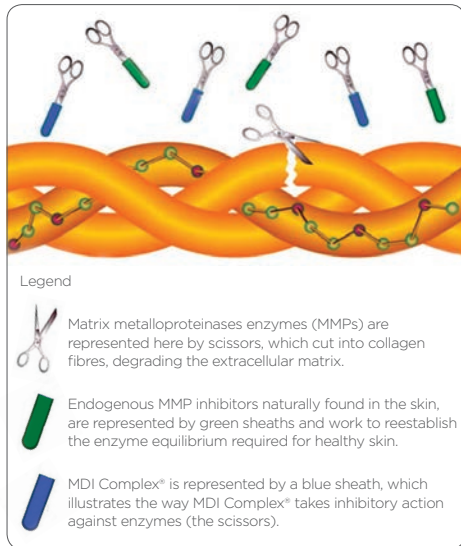
Marine glycosaminoglycans

-

To erase dark circles,
varicose veins and rosacea



THE MDI COMPLEX[®] IS A MARINE GLYCOSAMINOGLYCAN THAT INHIBITS THE MATRIX METALLOPROTEINASE (MMP) ENZYMES THAT DEGRADE AND DESTROY THE SKIN'S COLLAGEN NETWORK.



THE SKIN ENZYMATIC EQUILIBRIUM

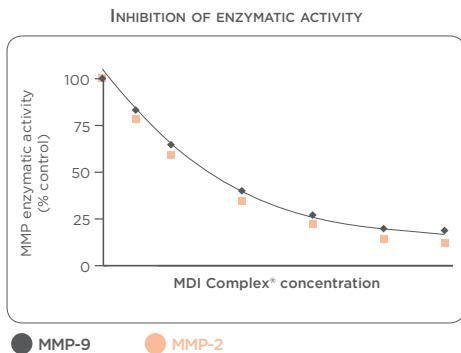
A healthy skin structure generally contains matrix metalloproteinases (MMPs) and their natural inhibitors that brings enzymatic equilibrium and the matrix renewal. Several conditions like pollution, UV rays and aging increase the MMP activity that may lead to degradation of collagen fibres and thereby the skin structure (the skin extracellular matrix). A local degradation of ECM is also linked to a loss of capillary vessels tonus, thus contributing to the appearance of dark circles, varicose veins and inflammatory condition like rosacea.

MDI Complex[®] can be used to neutralize excessive MMP activity, leading to a better enzyme equilibrium needed for a natural healthy skin appearance. This equilibrium allows greater skin elasticity and increased resistance to external irritants.

With MDI Complex[®], most enzymes are neutralized, leading to a reduction of appearance of dark circles, varicose veins and rosacea.

MMPs INHIBITION

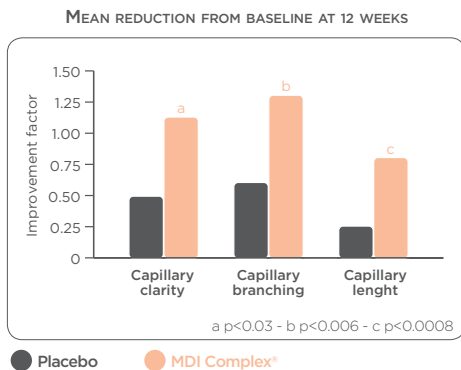
MDI Complex[®] inhibits more than 80% of MMP enzymes activity (Types 2 and 9). The MMP-12 enzyme is also inhibited by MDI Complex[®].



REDUCTION OF ROSACEA

Test protocol

- 23 volunteers (27 enrolled) with mild to moderate rosacea, visible telangiectases.
- Randomized split-face, double-blind trial, 12 weeks with a 5% MDI Complex[®] cream or placebo.



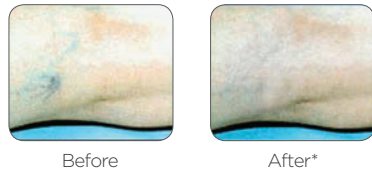
MDI Complex[®] reduces the appearance of rosacea and spider veins on the face.

*Simulated results of the MDI Complex[®] effect on the skin.

REDUCTION OF VARICOSE VEINS

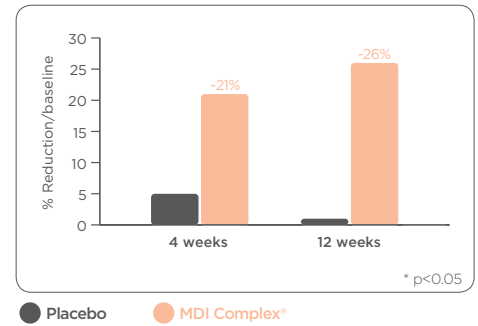
Test protocol

- 20 healthy volunteers with visible but not excessive leg varicose.
- Topical application on the leg, 2x/day of a 5% MDI Complex® cream or placebo.
- Measuring the IOD with fiber optic surface microscope, 4 sites.



MDI Complex® reduces the appearance of leg varicose.

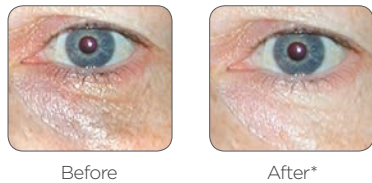
EVALUATION OF THE APPEARANCE OF LEG VARICOSE



REDUCTION OF DARK CIRCLES

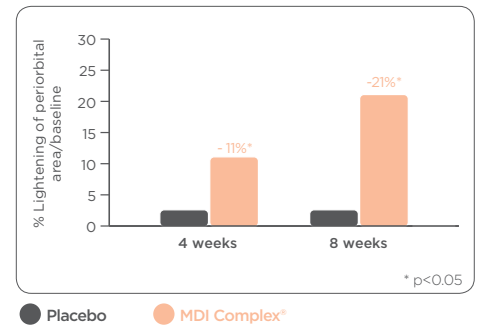
Test protocol

- 18 volunteers (women, 18 to 65 years old).
- Topical application around the eye, 2x/day for 8 weeks of a 5% MDI Complex® cream or placebo.
- Measuring the IOD (darkness of skin) in the periorbital area, 2-4 sites.



MDI Complex® reduces the appearance of periorbital dark circles.

EFFECT ON DARK CIRCLES



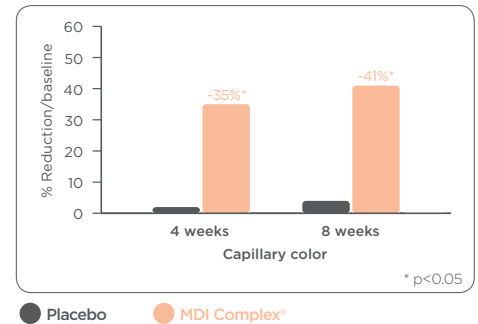
REDUCTION OF SPIDER VEINS

Test protocol

- 16 volunteers.
- Topical application on the face, 2x/day for 8 weeks of a 5% MDI Complex® cream or placebo.
- Measuring the IOD with fiber optic surface microscope, 4 sites.

MDI Complex® reduces the appearance of spider veins.

EFFECT ON SPIDER VEINS



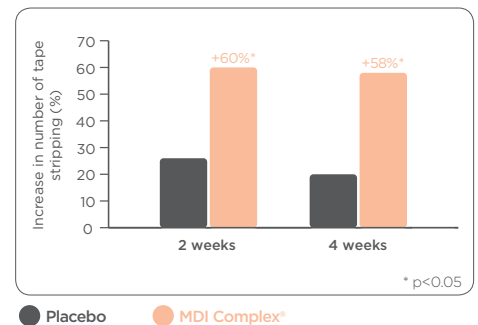
IMPROVING THE SKIN BARRIER FUNCTION

Test protocol

- 6 healthy volunteers, one arm MDI Complex®, one arm placebo.
- Topical application, 2x/day for 4 weeks of a 1% MDI Complex® cream or placebo.
- Number of stripping (Tuck tape) to obtain a minimal transepidermal water loss (TEWL) of 18 g/m²/hr.

MDI Complex® increases skin resistance to acute physical damage.

EFFECT ON TEWL



MDI COMPLEX® REDUCES THE APPEARANCE OF DARK CIRCLES, SPIDER VEINS AND ROSACEA.

PRODUCT DESCRIPTION

INCI NAME

Glycosaminoglycans

CAS

94945-04-7

EINECS

305-682-6

APPEARANCE

Colorless to yellow, transparent liquid (may contain particles in suspension)

FORMULATION

MDI Complex® should be incorporated at the end of the formulation at a temperature of 20/40°C.

DOSAGE

1 to 5%

OPTIMUM pH

4-8.5

APPLICATIONS

- Dark circle care
- Eye care
- Foundation
- Active make-up
- Anti-aging
- Daily care
- Body care
- Cosmeceutical care
- Active care for rosacea
- Post surgery care

FEATURES AND BENEFITS

FEATURES	BENEFITS
Inhibits MMPs activity	Leading to a better enzyme equilibrium needed for a natural healthy skin appearance
Action on the skin barrier function	Provides a better skin resistance to acute physical damage
Strong clinical results	Reduces the appearance of dark circles, spider veins and varicose veins
Action on rosacea	Reduces the capillary length, clarity and branching for a better skin complexion

CREAM FOR DARK CIRCLES

INGREDIENTS	INCI NAME	%	
A	Purified Water	Water	74.70
	Glycerin	Glycerin	5.00
	Nipagin M	Methylparaben	0.40
	TEA 99%	Triethanolamine	0.10
	Irgasan DP300	Triclosan	0.30
B	Promulgen D	Cetearyl Alcohol (and) Cetareth-20	5.00
	Tegosoft OP	Ethylhexyl Palmitate	1.00
	Blandol	Mineral Oil	4.00
	Shea Butter	Butyrospermum Parkii (Shea) Butter	1.00
	GMS-SE	GMS-SE	2.00
	Lipovol Soy	Glycine Soja (Soybean) Oil	1.00
	Vitamin E Acetate	Tocopheryl Acetate	0.10
	Nipazol M	Propylparaben	0.20
C	Fragrance 700F48	Fragrance	0.20
	MDI Complex®	Glycosaminoglycans	5.00

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