



 **LPD's**
L I P S

REPLUMPLING AND VOLUME-ENHANCING EFFECT FOR LIPS

ENCAPSULATED SEA FERN OIL TO PROMOTE ADIPOCYTE
NOURISHING ACTION FOR RESTRUCTURING VOLUME. AN
ADDITIONAL TOUCH TO THE BEAUTY OF WOMEN.

infinitec

BARCELONA

ACTIVES for a fuller and more generous beauty

■ **SEA FERN OIL**

STIMULATES 3 ESSENTIAL PROTEINS INVOLVED
IN THE NUTRITION OF ADIPOCYTES
(ADIPONUTRIN, PERILIPIN, FATTY ACID TRANSFERASE (FAT))

■ **HYDROXYTYROSOL** (ANTIOXIDANT ACTIVITY)

■ **ORGANIC SILICEOUS**
(LIFTING EFFECT - FIXES THE ELASTICITY OF TISSUES)



FILLS AREA AROUND LIPS
PUMPLING AND SMOOTHING EFFECT

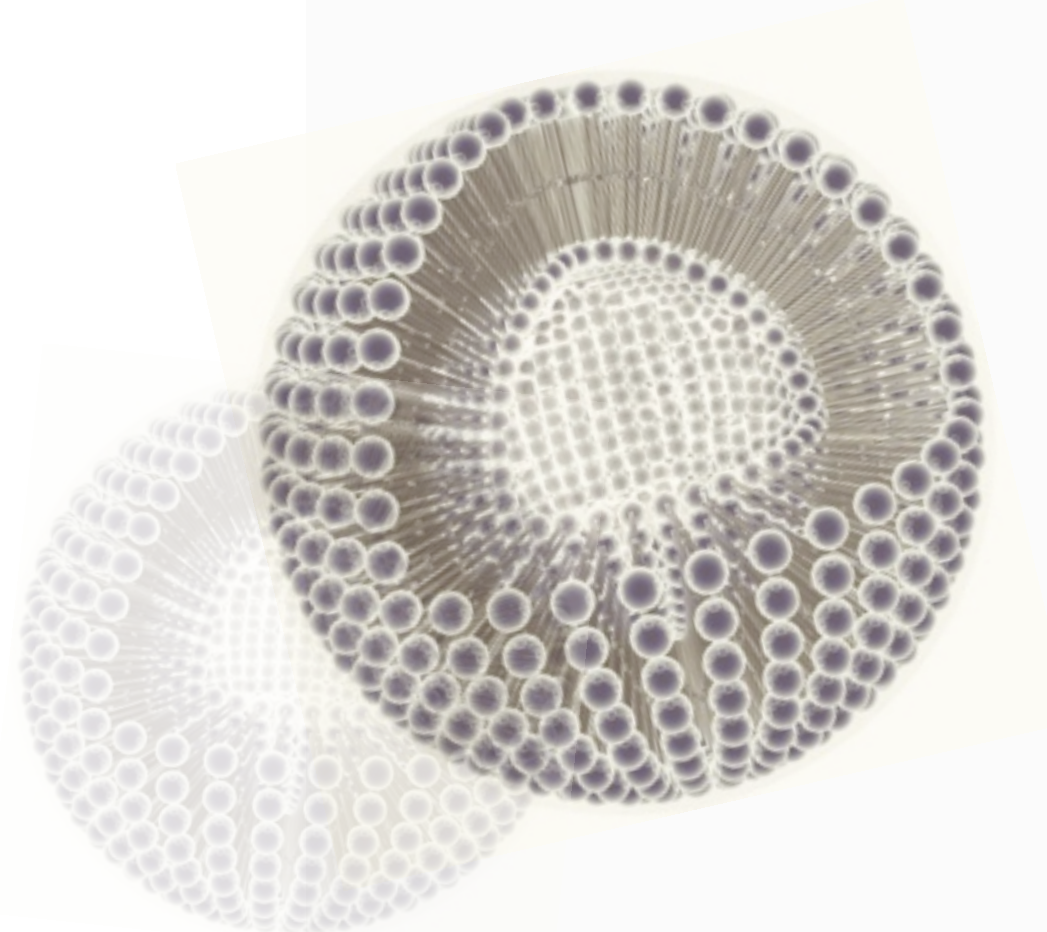
ANTIOXIDANT ACTIVITY
FIRMING EFFECT,
SMOOTHES FINE WRINKLES LINES





LPD's : efficient delivery of active ingredients

- EXTREMELY SMALL VESICLES (< 300nm)
RELEASE ACTIVES TO TARGET CELLS
- BI-LAYER MEMBRANE
- ANALOGOUS OF CELL MEMBRANES (PHOSPHOLIPIDS)
- HYDROPHILIC ACTIVES INSIDE CAPS AND
LIPOPHYLIC ACTIVES BETWEEN LAYERS



SEA FERN OIL :
Stimulates 3 key proteins involved
in adipocyte nutrition.

1

FATTY ACID TRANSFERASE

EXPRESSED ON THE SURFACE OF ADIPOCYTES,
FACILITATES THE TRANSPORT OF FATTY ACIDS
INSIDE THE CELL

2

ADIPONUTRIN

THIS ADIPOKYNE PROMOTES
THE STORAGE OF FATTY ACIDS
INSIDE THE CELL

3

PERILIPIN

PROTECTS THE LIPID
DROPLETS
FROM LIPOLYSIS

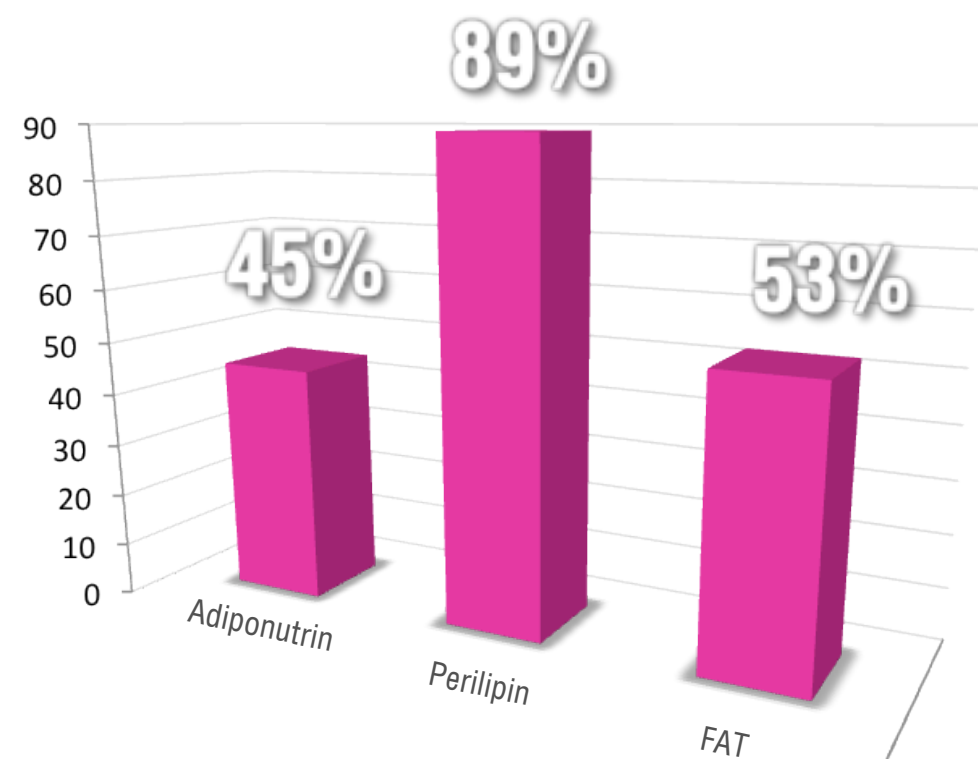
LIPID
DROPLET

ADIPOCYTE



Efficacy: Effects on adipocytes

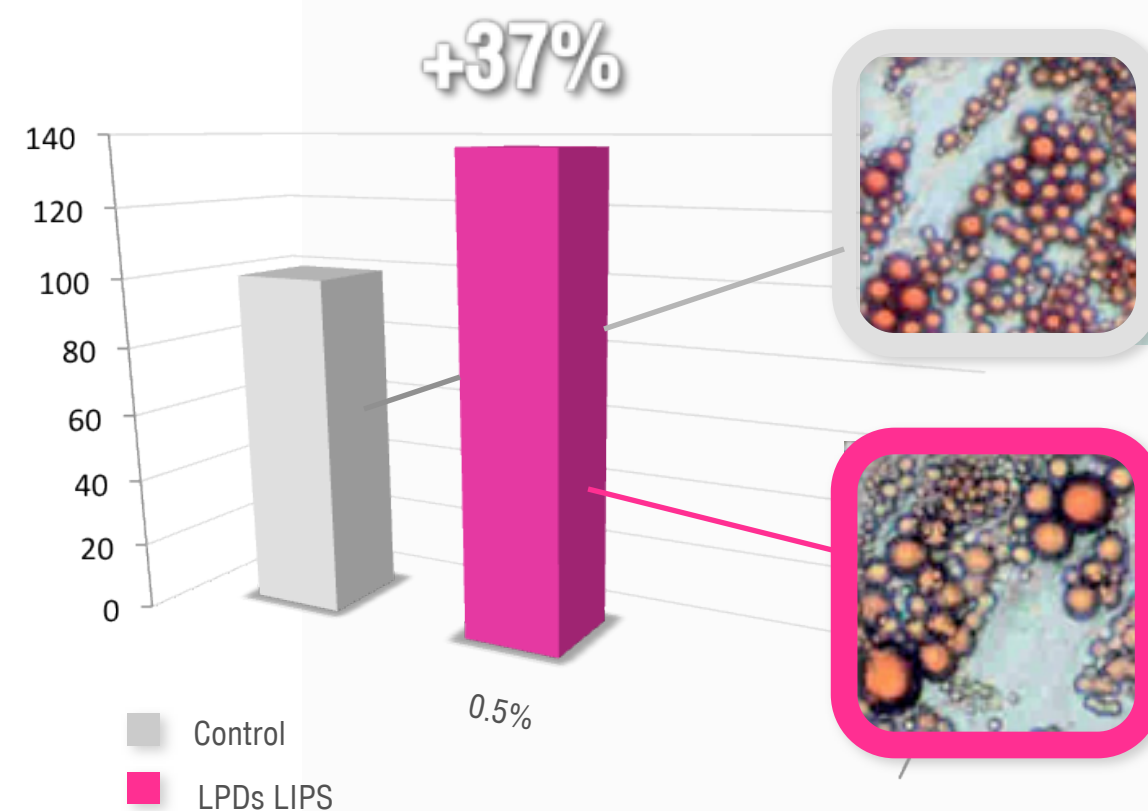
SYNTHESIS OF PROTEINS
RESPONSIBLE FOR LIPIDIC NUTRITION
(In-vitro test)



PROTOCOL

Induction of differentiation of huma pre-adipocytes in the presence or absence of LPDs LIPS. Fater culture, the proteins of interest are demonstrated by the minichip method and tryglicerides stored on adipcytes detected by staining red oil.

EFFECT ON THE CAPTURE OF LIPIDS
(Level of expression - In-vitro test)



Clinical Test: Volume-enhancing effect

SMOOTHING EFFECT ON THE LIPS
(TESTED AT 1%)

D0

D28

REPULPING EFFECT ON THE LIPS (TESTED AT 1%)

+ 3.4 %

77 VOLUNTEERS AFTER 28 DAYS

-11.2 %

IN THE ROUGHNESS

PROTOCOL

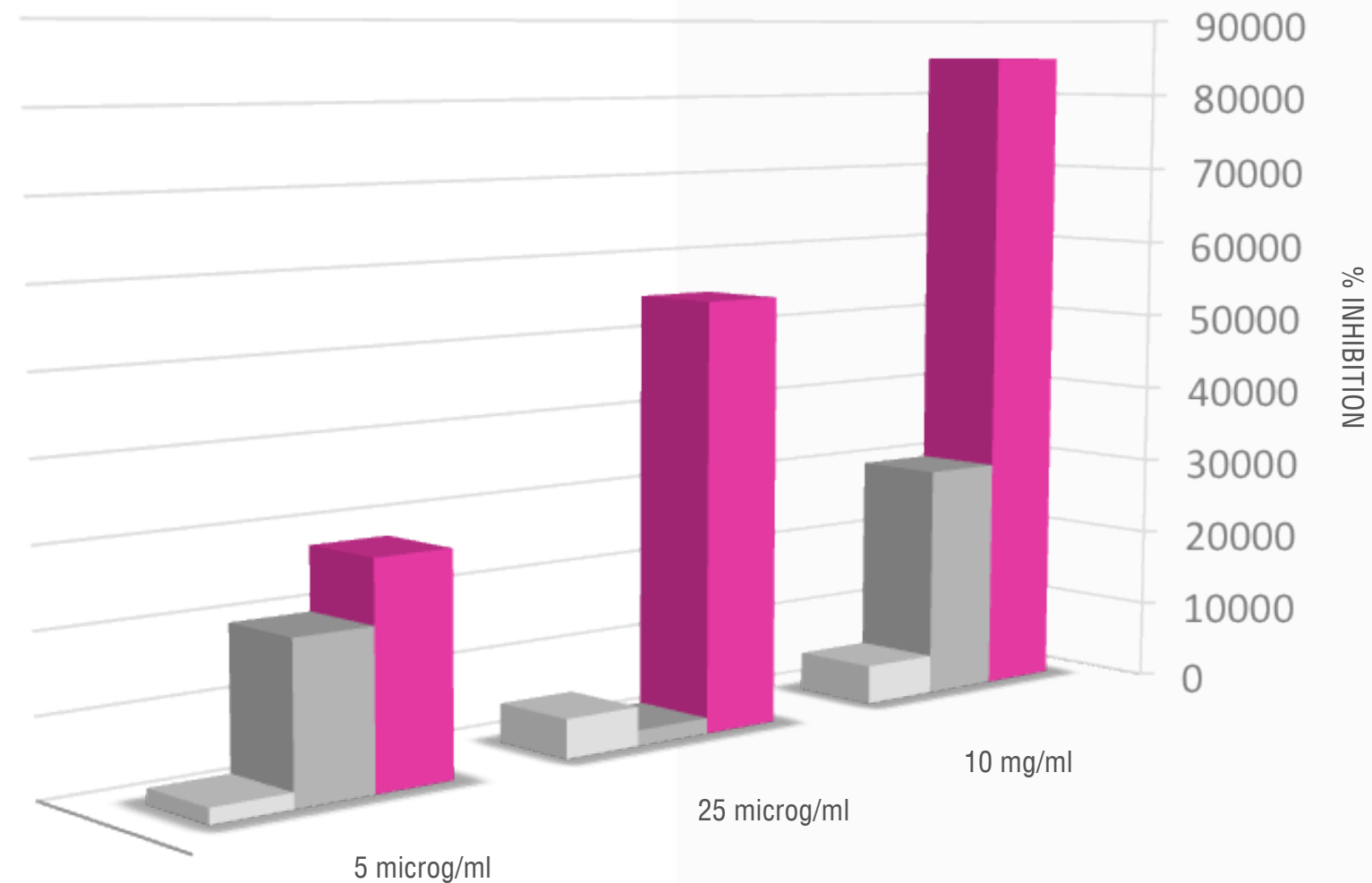
17 volunteers from 25 to 40 years . 2 applications per day during 28 days on the lips. Evaluation on the volume- enhancing effects by fringe projection. After one month treatment, 77% of volunteers observed a volume-enhancing effect. An average increase of 0.9% was observed with up to 3.4% for the volume of the lips.



Hydroxytyrosol: One of the best antioxidants

DPPH ASSAY

- HYDROXYTYROSOL
- CO ENZYME Q10
- IDEBENONE



Hydroxytyrosol: Protection against UV damage

- LONG-WAVE UV (UVA) RADIATION INDUCES SEVERE SKIN DAMAGE BY GENERATING ROS
- **HYDROXYTYROSOL (DOPET) PREVENTS PROTEIN DAMAGE FROM LONG-WAVE UV RADIATION**
- HAS A PROTECTIVE EFFECT IN PREVENTING THE UPRISE OF TYPICAL MARKERS OF OXIDATIVE STRESS
- PREVENTS THE INCREASE OF ALTERED RESIDUES INDUCED BY UVA RADIATION.

PROTOCOL

The effects of hydroxytyrosol (DOPET), the major antioxidant compound present in olive oil, on UVA-induced cell damages, have been investigated, using a human melanoma cell line (M14) as a model system. In UVA-irradiated M14 cells. At higher concentrations, DOPET causes an arrest of M14 cell proliferation and act as a proapoptotic stimulus by activating caspase-3 activity. These findings are in line with the hypothesis that the oxidative stress plays a major role in mediating the UVA-induced protein damage



Organic siliceous: Smooths fine wrinkle lines

- ORGANIZES AND STABILIZES THE SKIN TISSUE
BOOSTS THE PRODUCTION OF COLLAGEN AND ELASTIN.
SKIN BECOMES THICKER
- RESTORES THE ARCHITECTURE OF THE DERMIS TO REFIRM THE SKIN AND REDUCE WRINKLES.
- EVENTUALLY PREVENTS WRINKLES AND FLACIDITY.



THANK YOU VERY MUCH
FOR YOUR ATTENTION

infinitec

BARCELONA

