

LIPORETINOL

Cobiosa
www.cobiosa.com



3% Retinyl Palmitate liposomes.

Unlike traditional liposomes formulated with soy lecithin and manufactured with basic methods, InDermal technology offers new generation vesicles, applying medical technology to dermocosmetics.

- Very stable and resistant
- Maximized effectiveness
- Smart release system
- Biomimetic composition
- **Increased potency** while improving the active ingredient safety and stability: **x12.5 compared to free retinol.**

INCI NAME

Aqua, Mannitol, Phosphatidylcholine, Glycerin, Retinyl Palmitate, Cholesterol Xanthan Gum, Sodium Chloride.

DOSE OF USE:

1% - 10%

SOLUBILITY:

Hydrodispersible.

PRESERVATIVE:

Potassium sorbate.
Sodium benzoate.

MARKETING CLAIMS:

- Dermocosmetics technology
- Anti-aging & anti-wrinkle
- Stimulation of collagen synthesis
- UV protection
- Prevents premature aging
- Illuminating and exfoliating effect
- Phospholipids from pharmaceutical grade
- Biomimetic liposomes
- Less active ingredient for same activity
- **x12.5** more effective than the free active ingredient

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N a t u r a l l y E f f e c t i v e

ANTI-AGING AND COLLAGEN SYNTHESIS STIMULATION

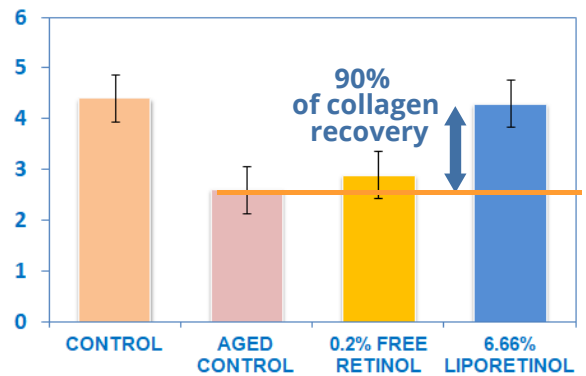


- Ex-vivo test on human skin.
- Skin exposure to corticosteroids in order to induce a premature skin aging.
- Experimental groups:
 - Untreated control
 - Aged explant
 - Sample with free Retinol
 - Sample with LIPORETINOL.

RESULTS:

Immediate activity:
Only after 11 days LIPORETINOL recovered **90% of the lost collagen**

Collagen synthesis stimulation



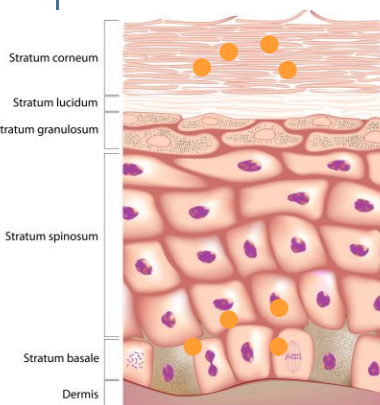
*6,66% LIPORETINOL is equivalent to 0,2% free Retinol

LIPORETINOL reaches the basal epidermis releasing 12.5 times more Retinol

FREE RETINOL

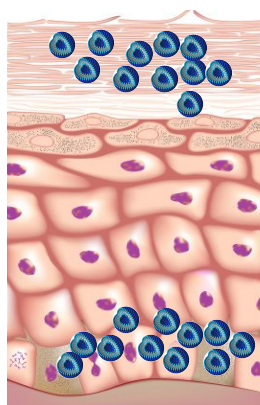
LIPORETINOL

LIPORETINOL vs FREE RETINOL



[Retinol]=
9,1 µg/cm²

[Retinol]=
0,4 µg/cm²



[Retinol]=
98,7 µg/cm²

[Retinol]=
5,0 µg/cm²

x10,85

x12,5

