

ASSESSMENT OF THE MESOSCIENCE BY SKEYNDOR - MESOSLIM

MESOSLIM

ACTIVE:

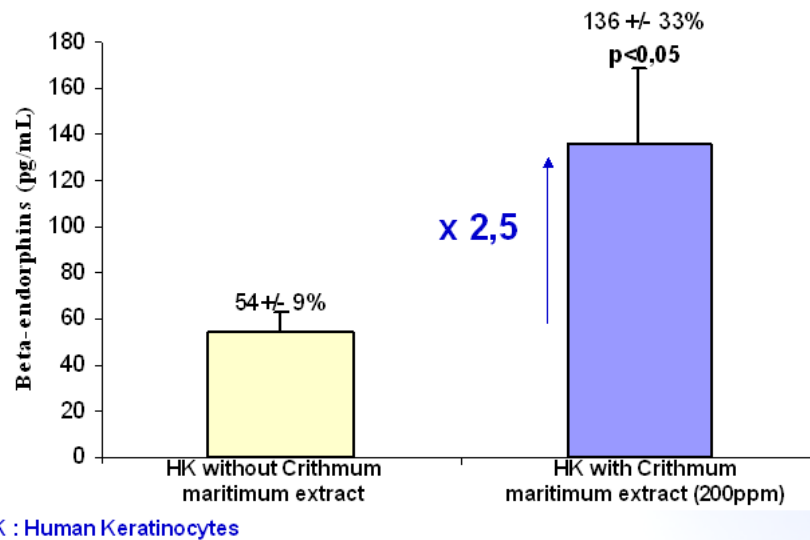
Sea fennel extract (or *CRITHMUM MARITIMUM EXTRACT*: (3000ppm of sea fennel extract contained in the BODY REDUCING CONCENTRATE anti-cellulite action. Is a natural fragrance capable of freeing molecules that have a remodelling activity (endorphins)

MAIN PURPOSE :

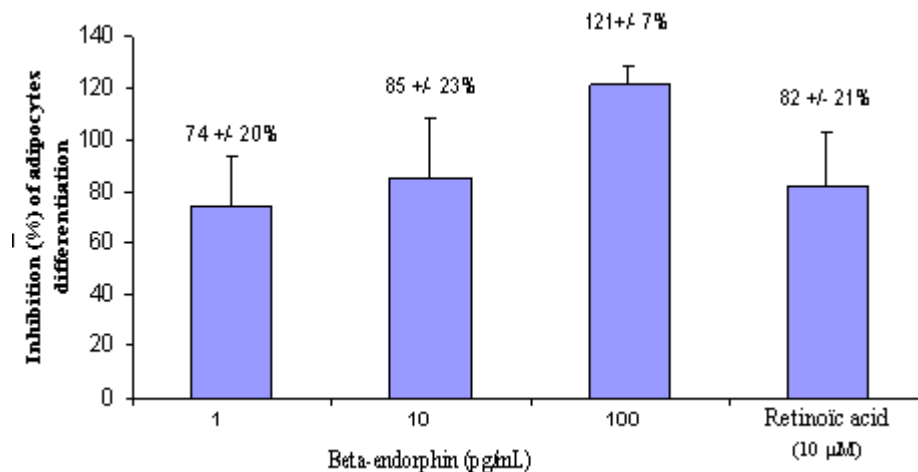
“Enhances fat catabolism”

RESULTS :

1-In vitro: Stimulation of the production of beta-endorphins by human keratinocytes: 200 ppm of Crithmum maritimum extract: increases by 2.5

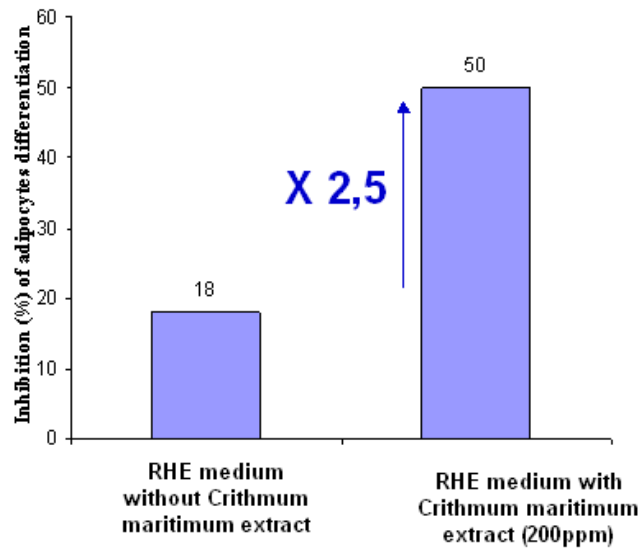


2- Beta-endorphins inhibit the differentiation of the adipocytes



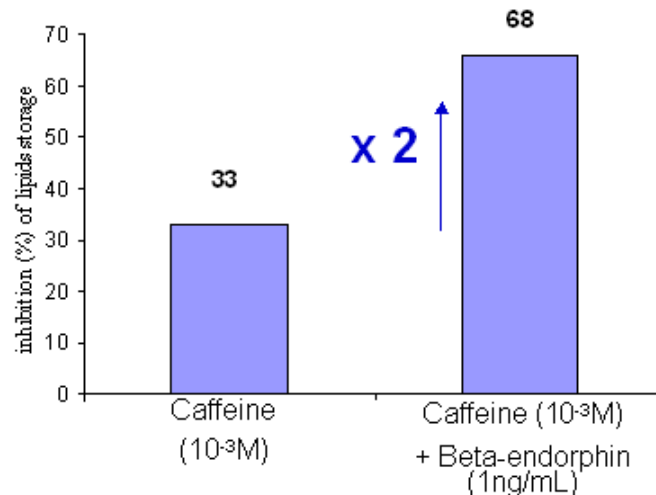
ASSESSMENT OF THE MESOSCIENCE BY SKEYNDOR - MESOSLIM

3.- In vitro : Limits the adipocytes differentiation on human epidermis: 200 ppm of *Crithmum maritimum* extract: increases by 2.5 (x 2.5)

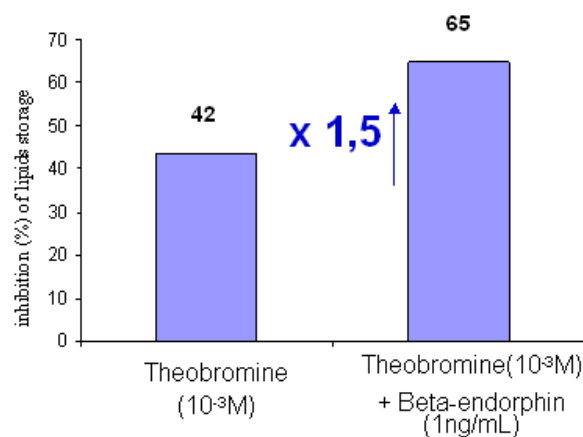


RHE : Reconstituted Human Epidermis

4.- Beta-endorphins stimulate the effect of Caffeine and: increases by 2



5.- Beta-endorphins stimulate the effect of Theobromine: increases by 1.5



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CONCLUSIONES

- CRITHMUM MARITIMUM EXTRACT stimulates Beta-endorphins production
- Beta-endorphins
 - => inhibit adipocytes differentiation
 - => stimulate the effect of Caffeine
 - => stimulate the effect of Theobromine
- CRITHMUM MARITIMUM EXTRACT on the epidermis
 - => limits the adipocytes differentiation
 - => stimulates the lipolytic effect

ACTIVE:

Laminaria extract (750ppm of Laminaria extract contained in the BODY REDUCING CONCENTRATE anti-cellulite action). This extract reduces the accumulation of new triglycerides and promotes the removal of previously stored lipids

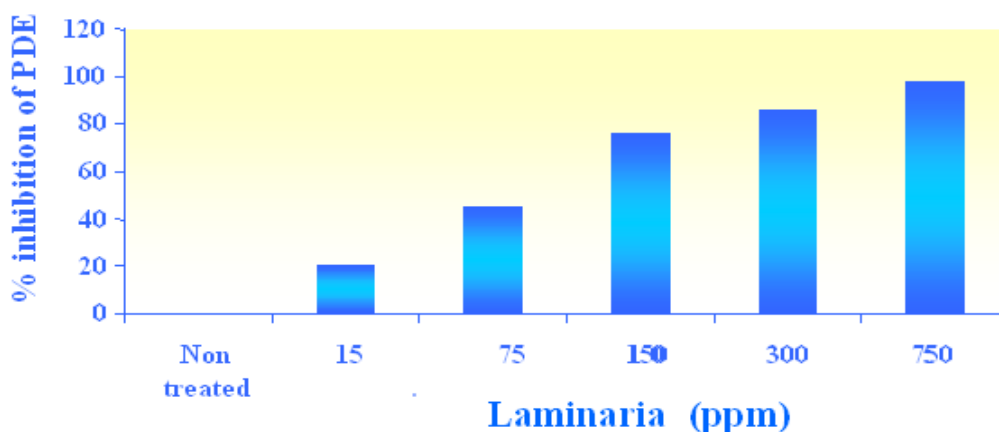
MAIN PURPOSE :

“Reduces the thickness of the fat layer”

RESULTS :

1.- In vitro:

(150 ppm of Laminaria extract): -80% inhibition effect on phosphodiesterase (PDE)
(750 ppm of Laminaria extract): -100% inhibition effect on phosphodiesterase (PDE)



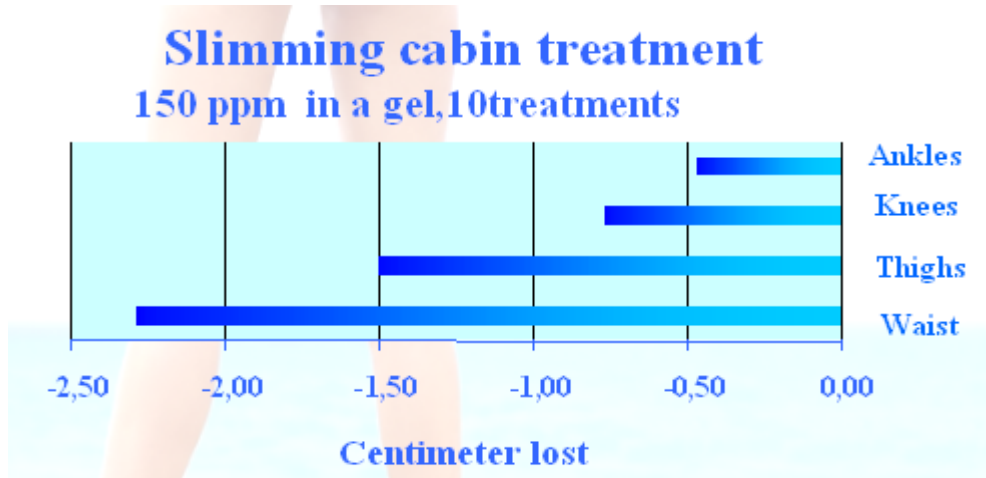
2.- In vitro:

(150 ppm of Laminaria extract): R75 increases the cAMP level by 1.8 in human adipocytes

ASSESSMENT OF THE MESOSCIENCE BY SKEYNDOR - MESOSLIM

3.- In vitro: Hydrolysis of triglycerides

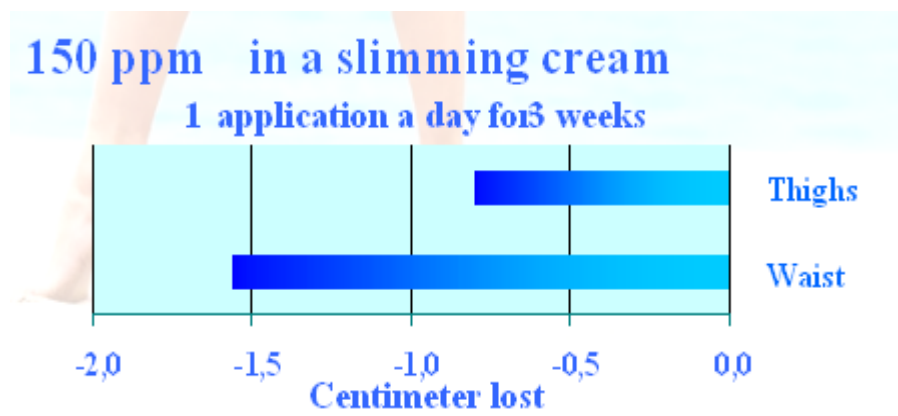
(15 ppm of Laminaria extract): +45% hydrolysis / Basal level)



4.- In vivo (150 ppm of Laminaria extract):

In a gel: -2.25 centimeter lost in waist; -1.50 centimeter lost in Thighs

In a cream: -1.6 centimeter lost in waist; -0.75 centimeter lost in Thighs



ACTIVE:

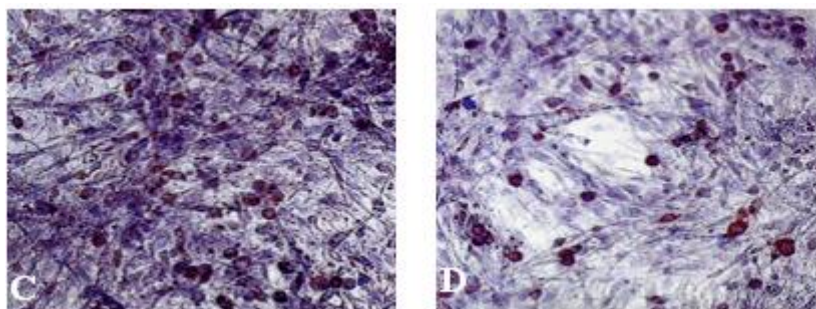
Decapeptide (5 ppm of decapeptide contained in the BODY REDUCING CONCENTRATE anti-cellulite action).
This peptide Promotes corporal fat burning and limits the maturing of fat cells.

MAIN PURPOSE :

“Reduces the body compensation effect”

RESULTS :

1.- In vitro: (0.5 ppm of decapeptide): Effect of decapeptide on differentiated adipocytes

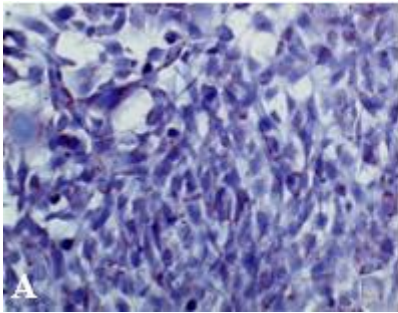


C: mature, untreated cells

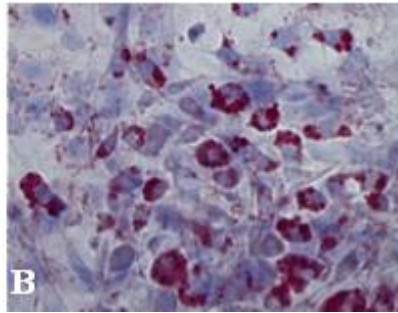
D: mature cells, treated with 0.5 ppm of decapeptide

Decapeptide induces a clear decrease in lipid droplets in mature adipocytes, compared to untreated and mature cells.

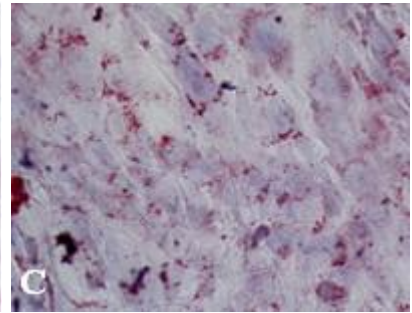
2.- In vitro: (0.5 ppm of decapeptide): Effect of decapeptide on differentiated adipocytes treated 6 hours after beginning of differentiation



A: Undifferentiated cells, untreated cells



B: mature, untreated cells



C: mature cells, treated with 0.5 ppm of decapeptide, 6 hours after the beginning of cell culture

Decapeptide administration 6 h after the beginning of differentiation dramatically reduces lipid droplets, compared to untreated cells.

- Extracto de alcachofa
- Extracto de laminaria: PHYCO R75
- Decapéptido: UC PEPTIDE