



# SOS SILHOUETTE PROGRAM

**ADIPOSLIM**: “top model” shape  
adipocytes to correct cellulite!

**ADIPOLESS**: less adipocytes to  
maintain your “silhouette”!

SEPPIC PATENTS





**SOS SILHOUETTE PROGRAM –  
ADIPOSLIM & ADIPOLESS A WINNING DUO**

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***A WINNING SLIMMING DUO***



**ADIPOSLIM**

***INHIBITS and ELIMINATES FAT  
STORAGE to get rid of  
existing cellulite!***



***CURATIVE action:  
for “top model”  
shape adipocytes!***

**ADIPOLESS**

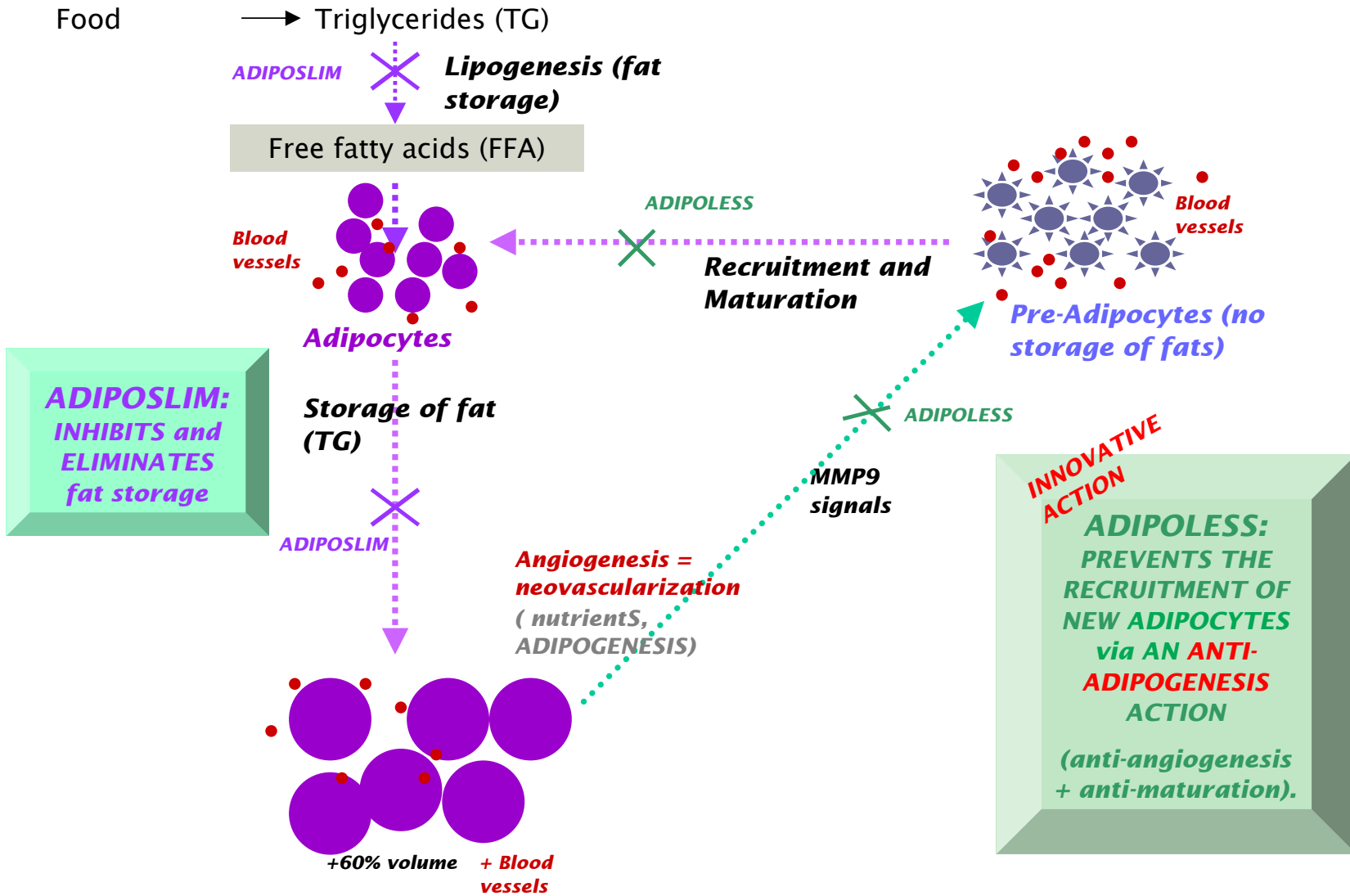
***“SILHOUETTE”  
MAINTENANCE to prevent  
new fat forming!***



***PREVENTIVE action: less  
functional adipocytes!***



# SOS SILHOUETTE PROGRAM – ADIPOSLIM & ADIPOSESS A WINNING DUO





## SOS SILHOUETTE PROGRAM

**ADIPOSLIM: “top model” shape adipocytes to correct existing cellulite.**

**SEPPIC patent**



### **Lauric acid (C12)**

*derived from plants*

(lipophilic)

### **Proline**

*derived from biotechnology*

(hydrophilic)



### **Lauroyl proline**

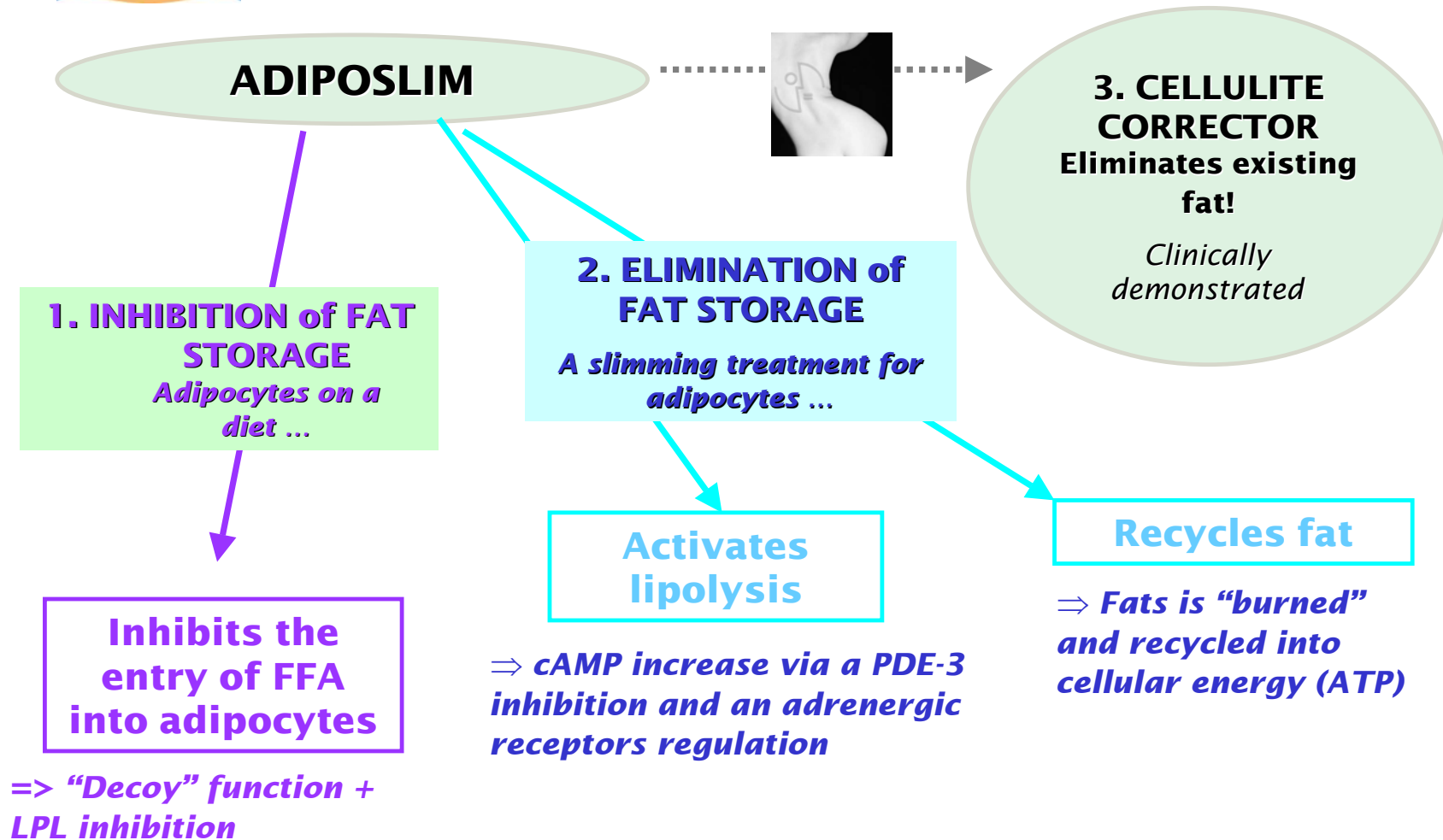
#### **Amphiphilic structure**

=> Excellent cutaneous bio-affinity

**Defined, titrated and stable  
ingredient** (liquid form)

*INCI name: Sorbitan laurate and Lauroyl Proline*

**ADIPOSLIM: TOP MODEL SHAPE ADIPOCYTES VIA A FAT STORAGE INHIBITION AND ELIMINATION !**

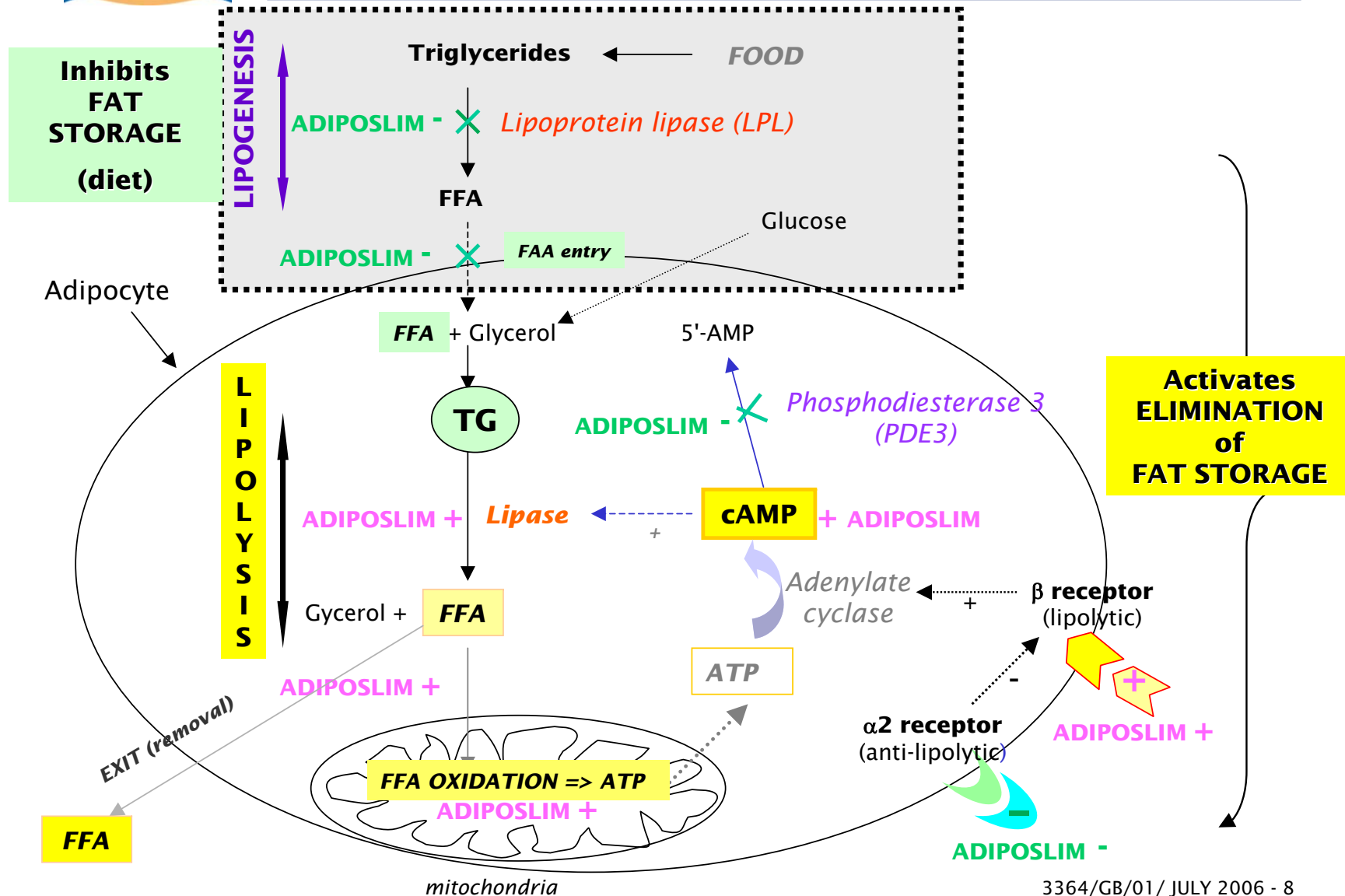


## **ADIPOSLIM:**

### **1. INHIBITION OF FAT STORAGE**

***Adipocytes on a diet!***

# ADIPOSLIM: ADIPOCYTES ON A DIET VIA A "FAT STORAGE" INHIBITION !



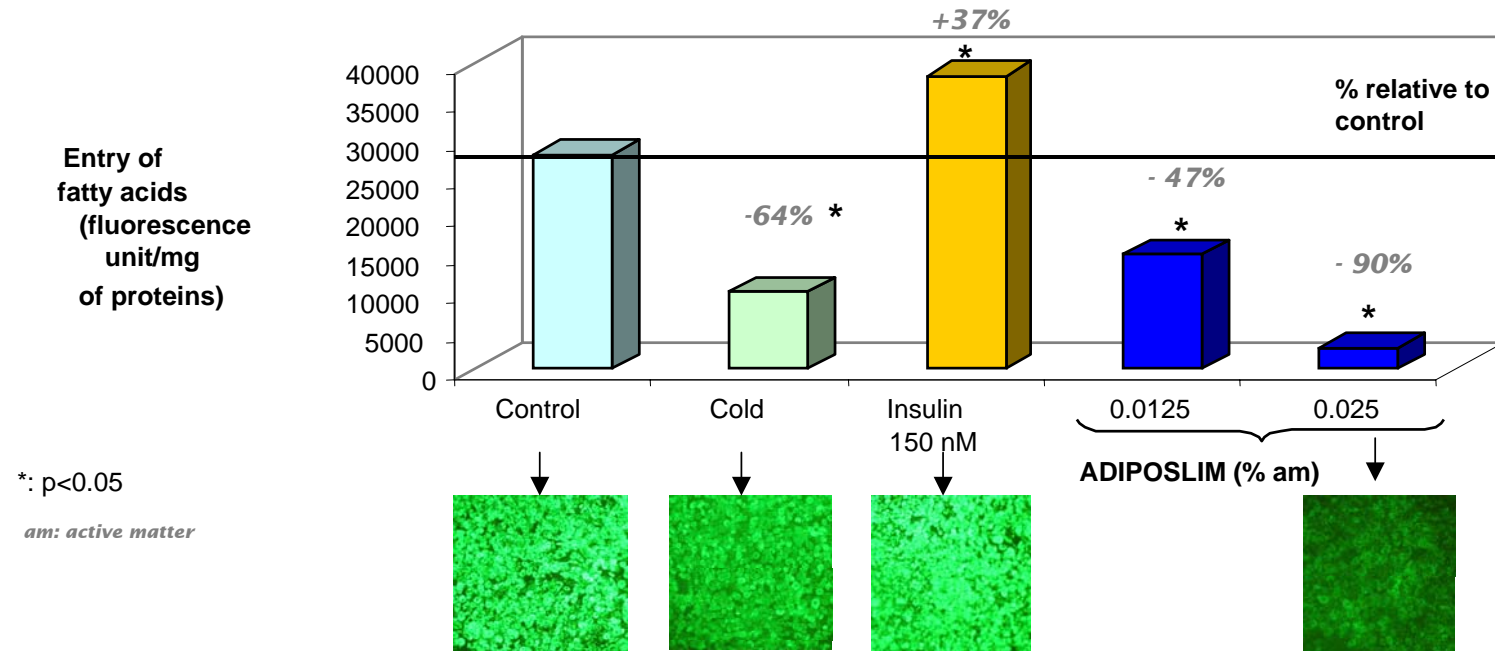




# ADIPOSLIM: ADIPOCYTES ON A DIET VIA A “FAT STORAGE” INHIBITION !

## 1. INHIBITS THE ENTRY OF FFA INTO ADIPOCYTES:

**Protocol:** measurement of a non-metabolizable fluorescent fatty acid entry (5 methyl-BDY-dodecanoic acid) into mature adipocytes (3T3) with or without ADIPOSLIM (positive control = insulin and negative control = cold)



**ADIPOSLIM inhibits the entry of FFA into mature adipocytes, thus putting them on a diet !**

**This fat storage reduction is reinforced by the inhibition of the Lipoprotein Lipase (-22% at 0.1%am).**

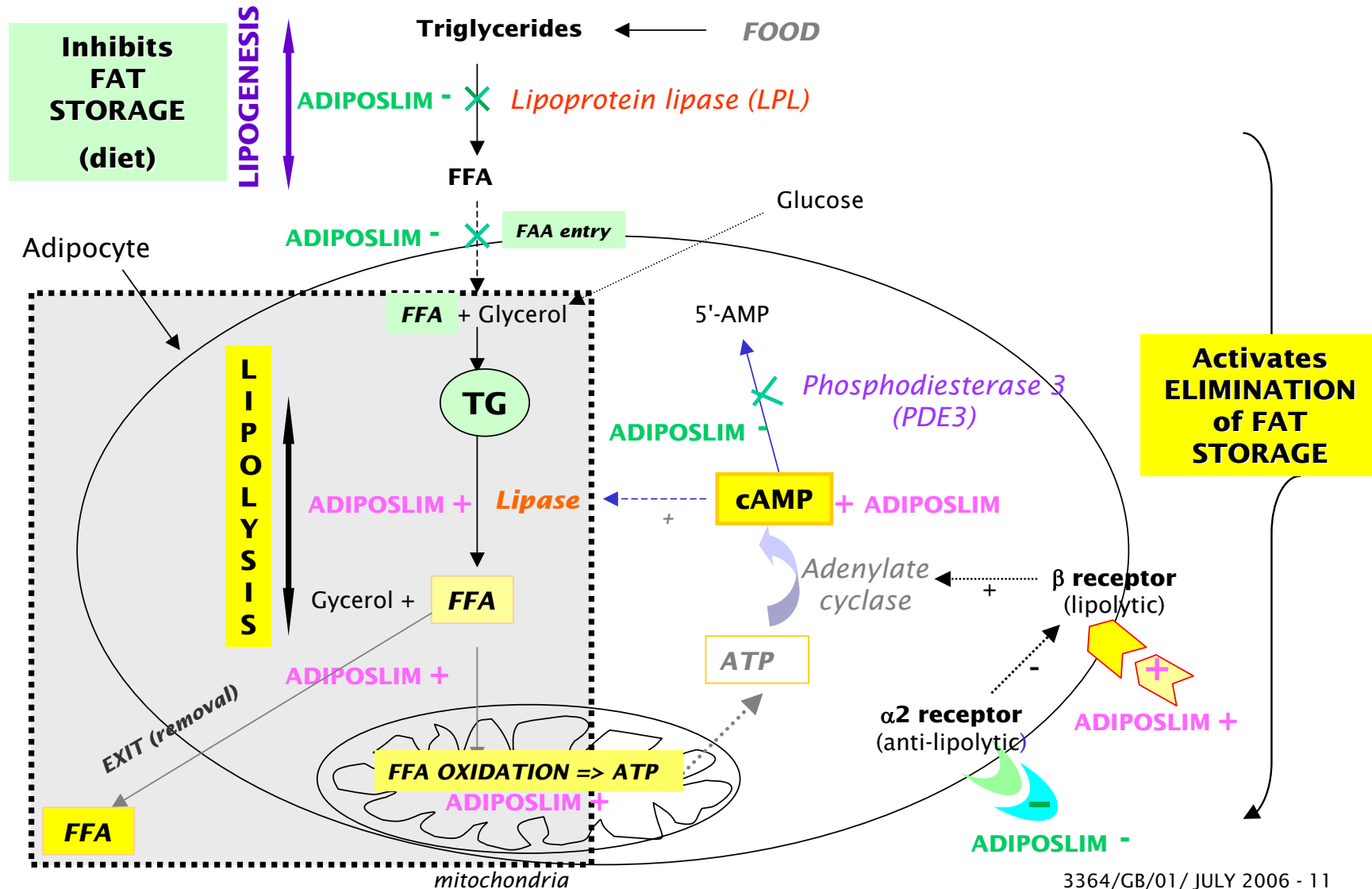
## **ADIPOSLIM:**

### **2. Activates ELIMINATION of FAT STORAGE**

***for “top model” shape adipocytes !***



# ADIPOSLIM: "TOP MODEL" SHAPE ADIPOCYTES VIA AN ELIMINATION OF FAT STORAGE !



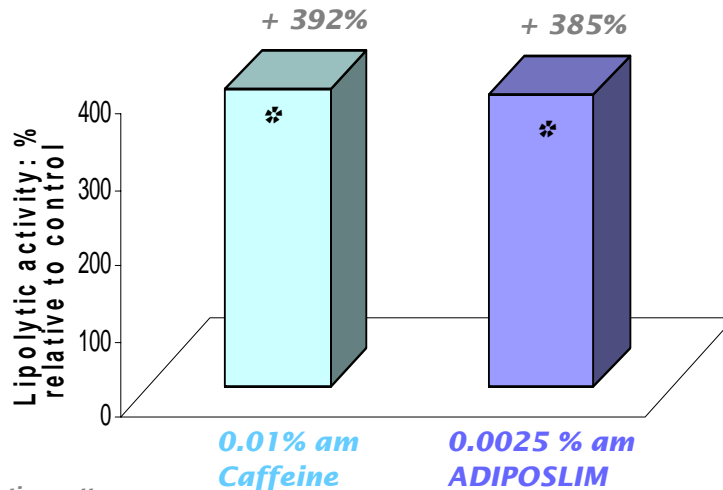


# ADIPOSLIM: “TOP MODEL” SHAPE ADIPOCYTES VIA AN ELIMINATION OF FAT STORAGE !

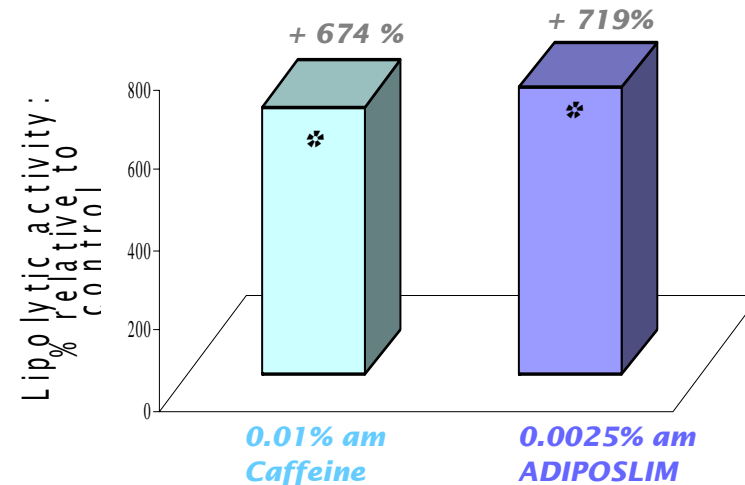
## 2.1 ACTIVATES LIPOLYSIS (= FAT REMOVAL) IN THE ADIPOCYTES

**Protocol:** measurement of triglycerides lipolysis by assay of free fatty acids (FFA) expelled of normal human adipocytes (obtained from male and female abdominal cosmetic surgery) with or without ADIPOSLIM (Positive control = CAFFEINE)

**FEMALE ADIPOCYTES (13 donors)**



**MALE ADIPOCYTES (1 donor)**

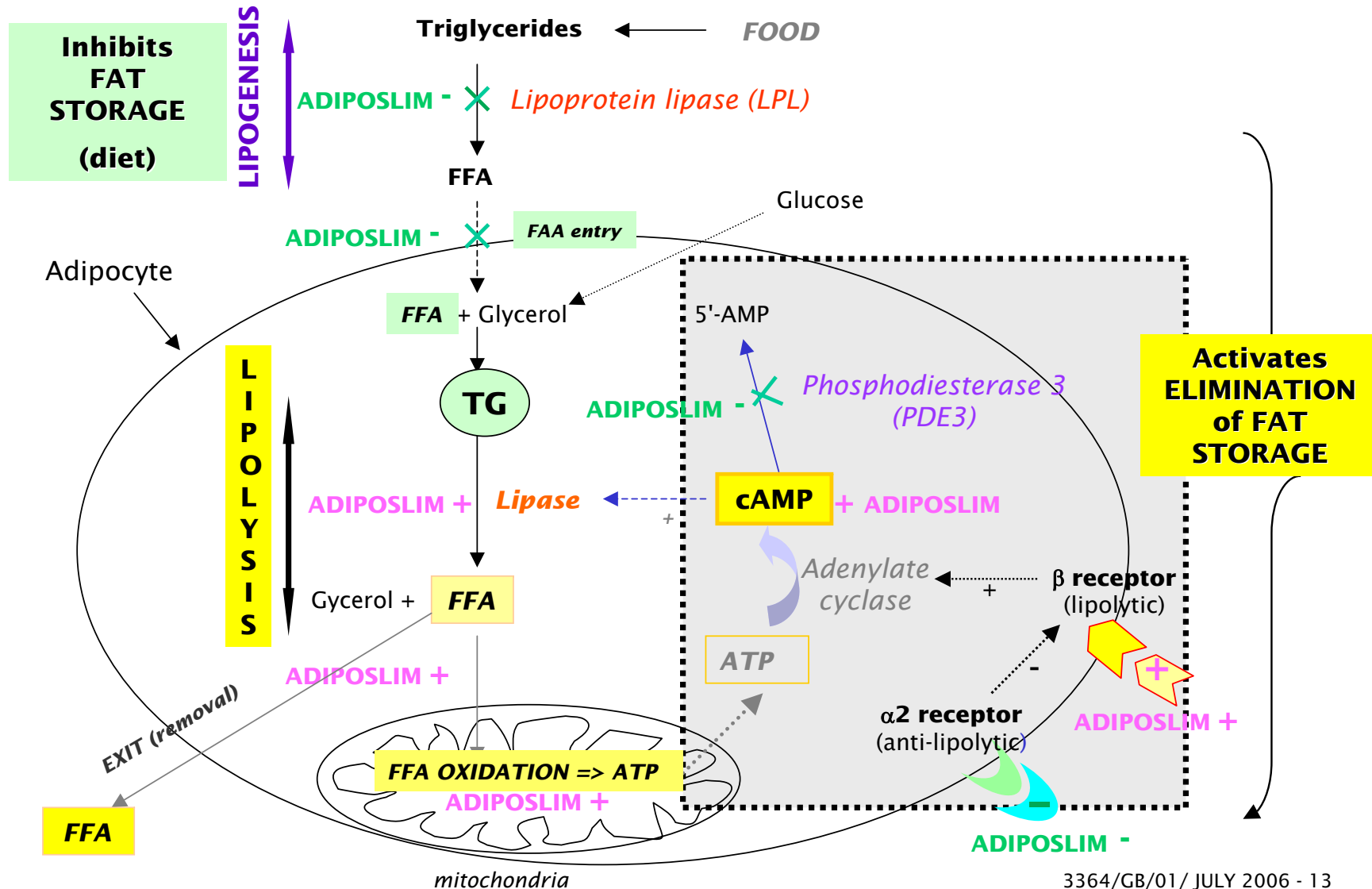


am: active matter

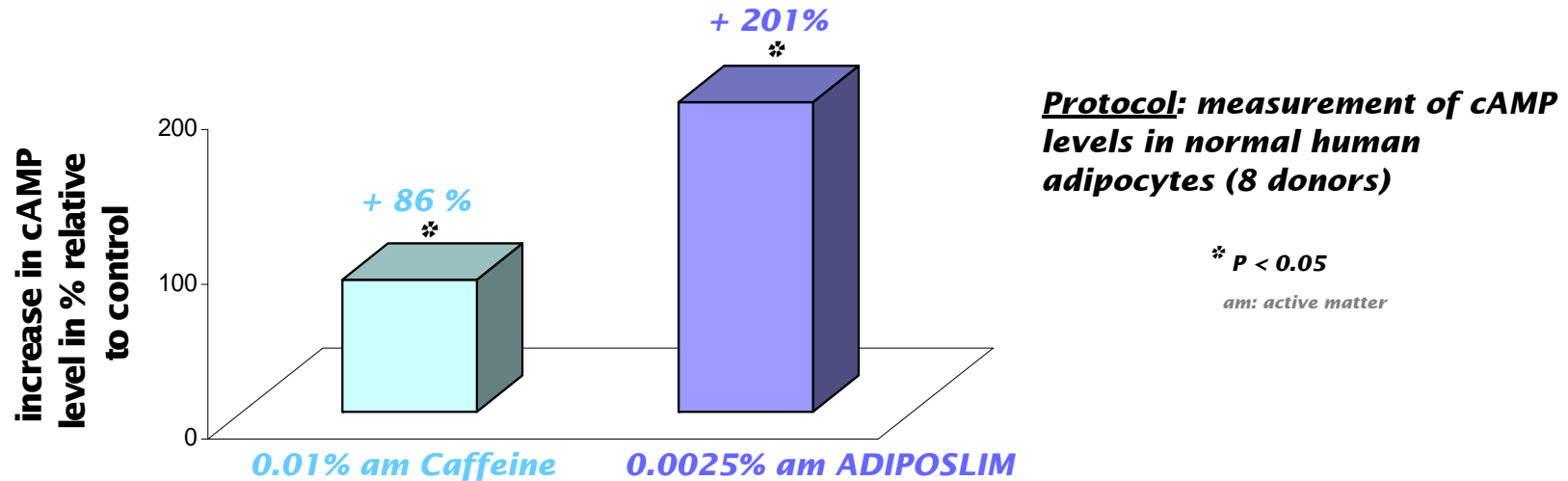
\*  $P < 0.05$

**ADIPOSLIM efficiently “eliminates” fats (FFA) from male or female adipocytes => “Caffeine-like” lipolytic activity**

# ADIPOSLIM: LIPOLYSIS VIA THE cAMP PATHWAY



## 2.1.1. Lipolysis activation via an increase in a key substance = cAMP



**ADIPOSLIM increases cAMP level, a KEY substance in the elimination of fat** (more effective than caffeine):

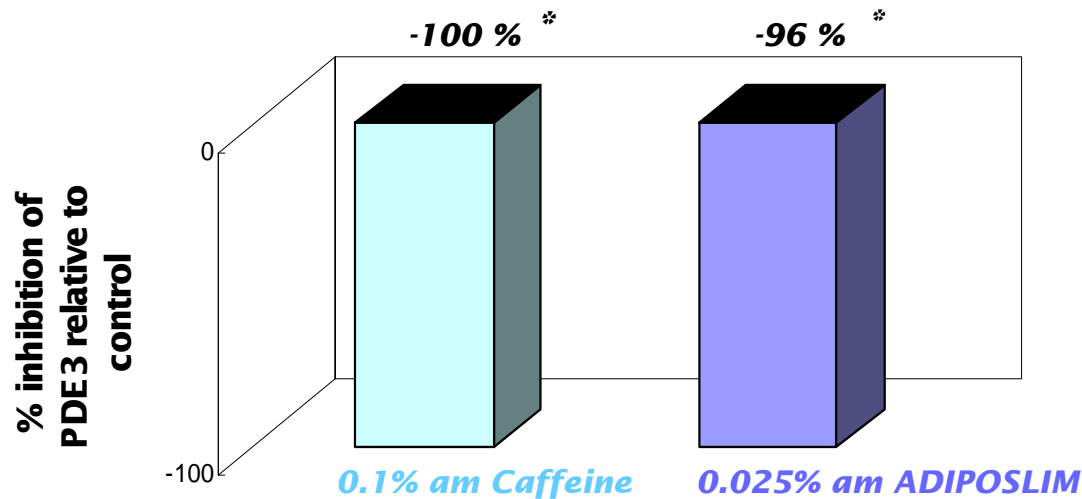
### How ?

⇒ Via a PDE3 inhibition (-96% at 0.025% am ADIPOSLIM ) ⇒ cAMP accumulation

⇒ Via an adrenergic receptor regulation (stops inhibition of lipolysis induced by an  $\alpha$  adrenergic agonist or by a  $\beta$  adrenergic antagonist) = cAMP accumulation = **ACTIVATION OF LIPOLYSIS**

### 2.1.1. Lipolysis activation via an increase in a key substance = cAMP

#### 2.1.1.1. **↑ cAMP via Inhibition of PDE 3:** (phosphodiesterase 3):



***Protocol: measurement of PDE3 in vitro activity with a radioactive cAMP.***

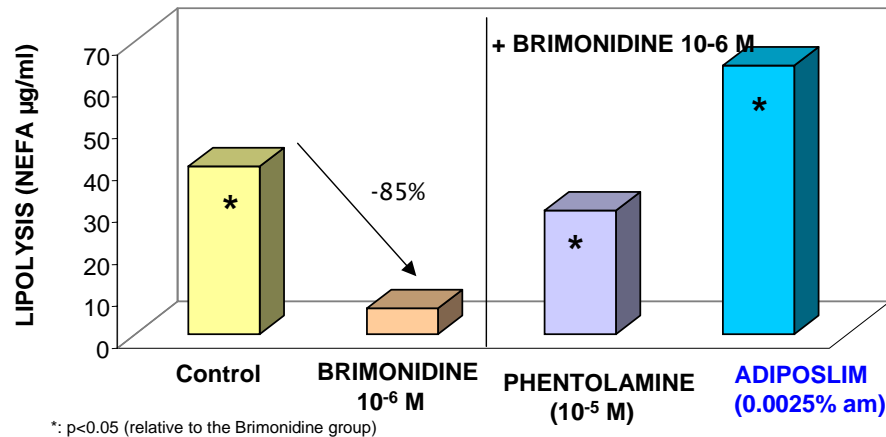
***\* P < 0.05***

*am: active matter*

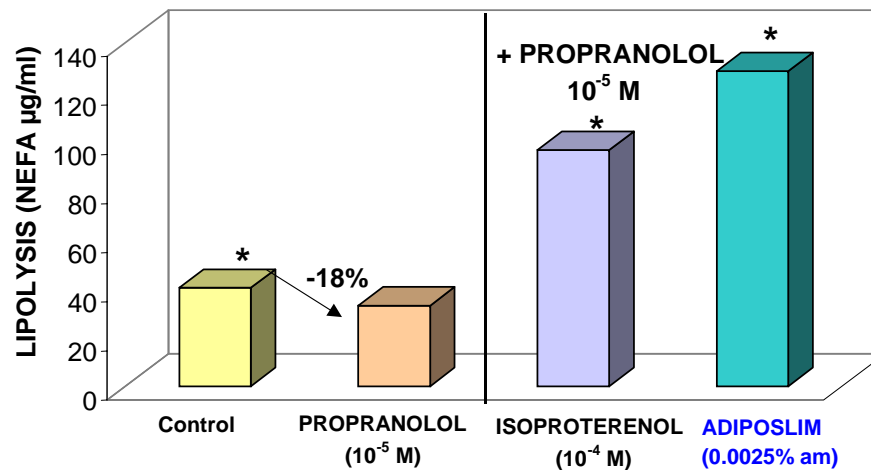
**ADIPOSLIM inhibits PDE3, thus inducing the intracellular cAMP accumulation in the adipocytes (“caffeine-like” inhibition of PDE3) => EXPULSION of FFAs.**

## 2.1.1. ↗ Lipolysis via an increase in a key substance = cAMP

### 2.1.1.2. ↗ cAMP via regulation of adrenergic receptors:



**Alpha 2 receptor:** Like phentolamine (alpha 2 antagonist), ADIPOSLIM totally stops the inhibition of lipolysis induced by brimonidine ( $\alpha$  2 agonist) => **ACTIVATION OF LIPOLYSIS**

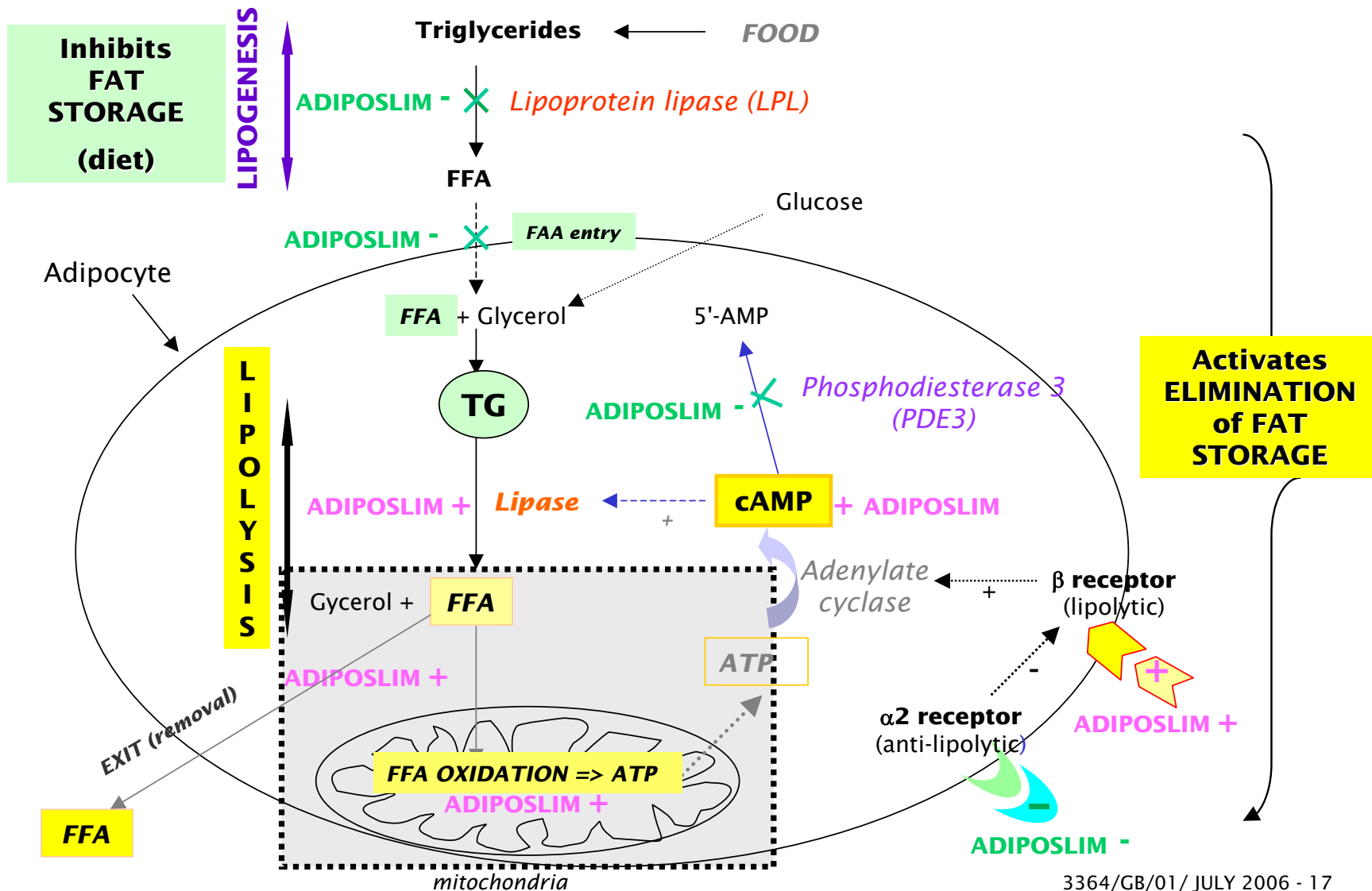


**Beta 2 receptor:** Like lisoproterenol (beta 2 agonist), ADIPOSLIM totally stops the inhibition of lipolysis induced by propranolol ( $\beta$  2 antagonist) => **ACTIVATION OF LIPOLYSIS**

am: active matter



# ADIPOSLIM: RECYCLING of FFAs produced by LIPOLYSIS into ENERGY (ATP)

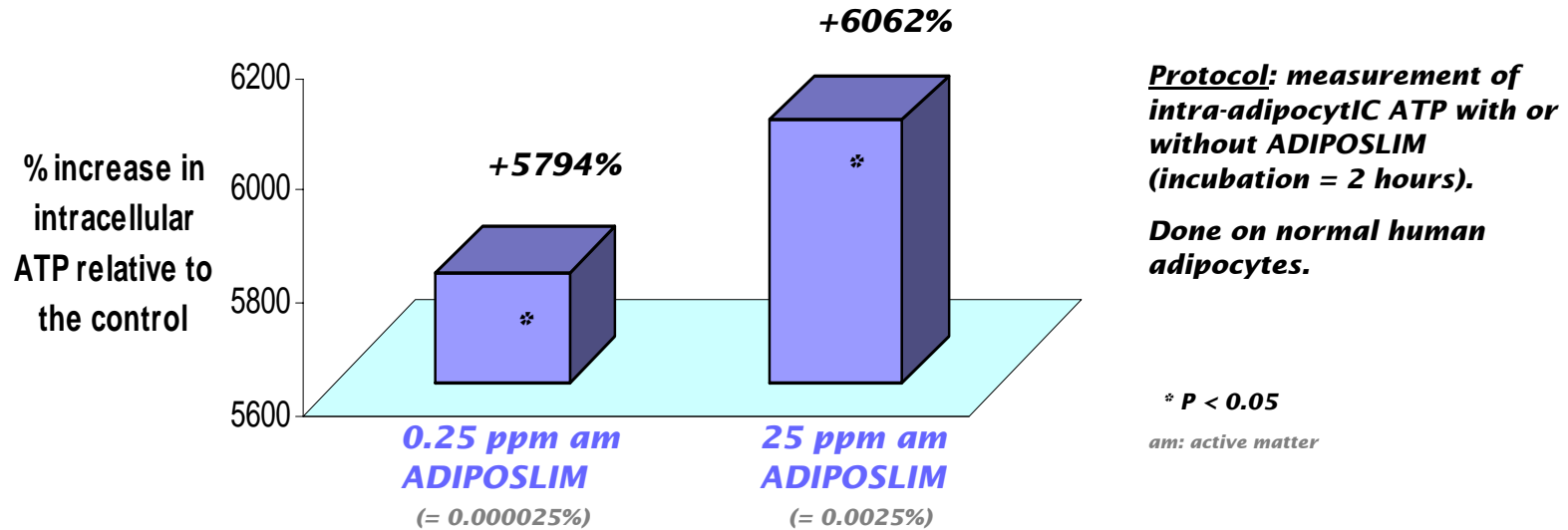




## ADIPOSLIM: MELTING OF ADIPOCYTES VIA AN ELIMINATION OF FAT STORAGE !

### 2.2. RECYCLES FATS INTO ENERGY (= ATP)

=> *Becoming of FFAs released by lipolysis ?*



**Fat is “burned” and recycled into available cellular energy ATP.**

**Therefore, FFAs are not stored as Triglycerides again.**

**Adipocytes are effectively “emptied” of all their fat.**



**ADIPOSLIM:**

**3. Cellulite corrector**

***In vivo efficacy***



## ADIPOSLIM: CELLULITE CORRECTOR

### 3.1. CLINICAL TEST PROTOCOL:

- **Adiposlim at 3% as (formula 7028) vs placebo => cancelled massage effect**
- **19 volunteers**
- **1 month of treatment on the thighs**
- ⇒ **1. Visual improvement of cellulite** (dermatological scoring) + **topological illustration** (skin relief print )
- ⇒ **2. Measurement of anti-orange peel effect** (reduction in fat infiltration).

### Cream-gel tested No. 7028 (without caffeine)

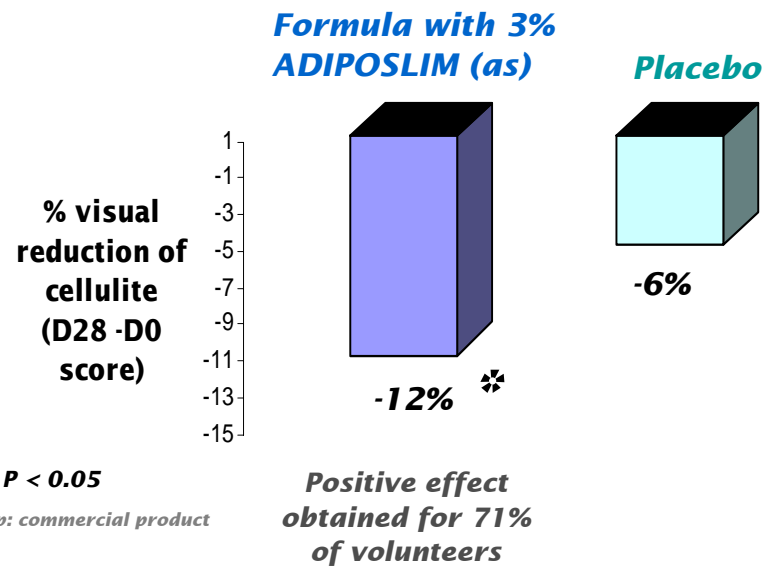
• <b>SEPINOV EMT10</b> (Hydroxyethyl acrylate & Sodiumacryloyldimethyl taurate copolymer- SEPPIC)	3.00 %
• Water / Aqua	Qsp 100%
• Glycerin	10.00 %
• Isononyl isonanoate	4.00 %
• Cyclopentasiloxane	2.00 %
• Phenoxyethanol	0.35 %
• Methyl paraben	0.15 %
• Ethyl paraben	0.15 %
• Ethanol	30.00%
• Chlorphenesin	0.20 %
• Fragrance	0.20 %
• <b>ADIPOSLIM</b> (Arbitan laurate and lauroyl ProlineSEPPIC)	3.00 %
• NAOH (12% solution)	Qs pH= 5.2



## ADIPOSLIM: CELLULITE CORRECTOR

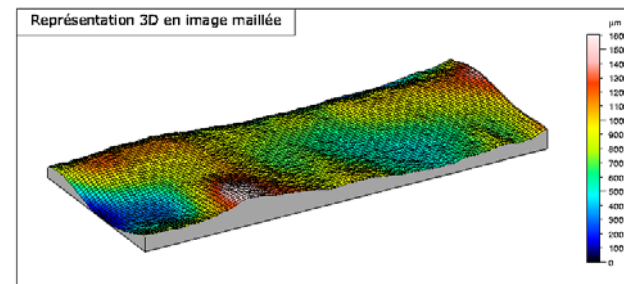
### 3.2. VISUAL IMPROVEMENT OF CELLULITE ON D30 :

=> *Dermatological scoring:*

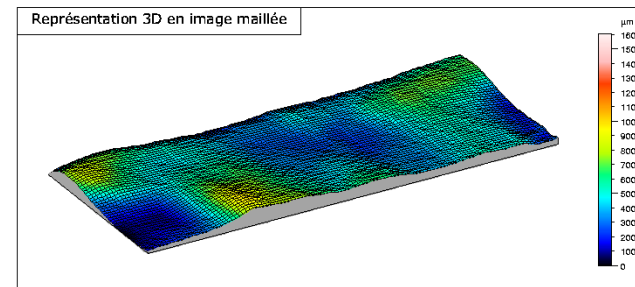


=> *Thigh print:*

*Before treatment (D0):*



*After treatment (D28) of the formula with 3% Adiposlim: surface appearance is smoothed*



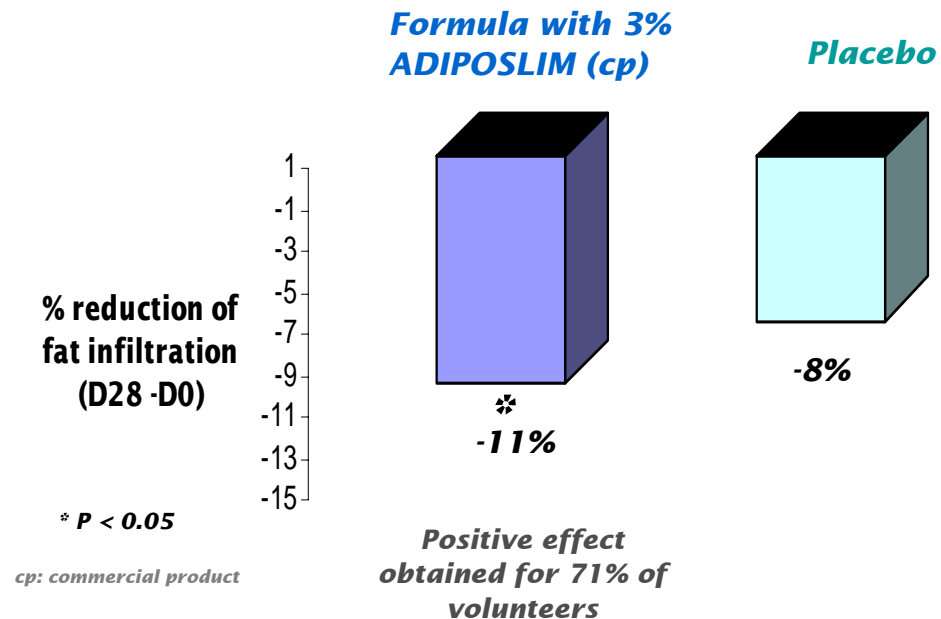
**ADIPOSLIM significantly and visually corrects cellulite without any massage effect.**



## ADIPOSLIM: CELLULITE CORRECTOR

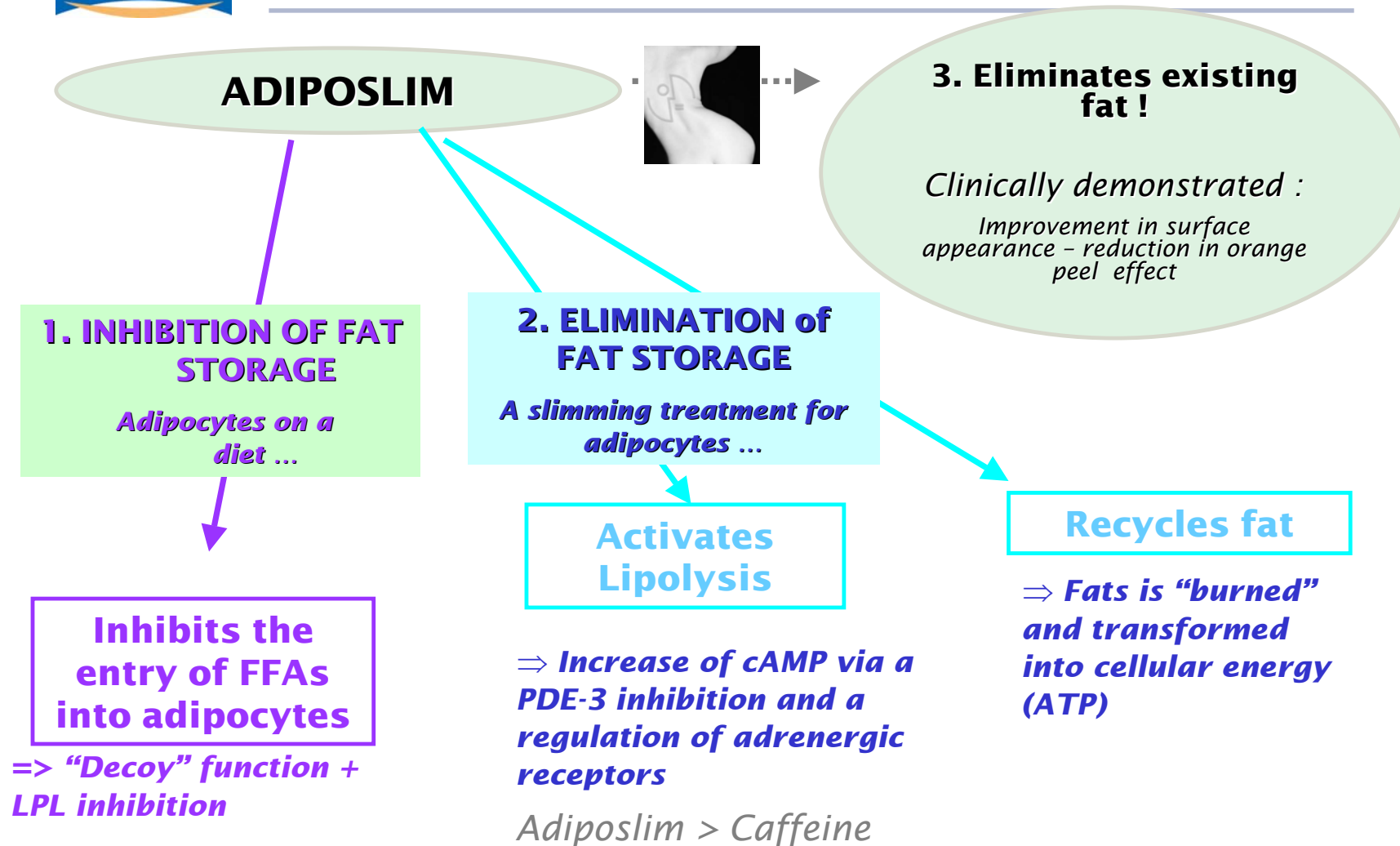
### 3.3. REDUCTION OF ORANGE PEEL EFFECT

=> *Ultrasound measurement of dermal density (= inversely proportional to fat infiltration)*



**ADIPOSLIM significantly limits dermal fat infiltration. It thus reduces the “orange peel” appearance of the skin.**

**ADIPOSLIM: “TOP MODEL” SHAPE ADIPOCYTES VIA A FAT STORAGE INHIBITION AND ELIMINATION !**





# **ADIPOSLIM:**

## **4. Tolerance**





➔ **ADIPOSLIM has an excellent tolerance profile :**

- .Very well tolerated when topically applied**
- . Non-sensitizing**
- . Non-mutagenic**

Recommended dose for total safety: **up to 3% in topical cosmetic applications**



# **ADIPOSLIM:**

## **5. Formulation guidelines**

➔ **ADIPOSLIM can be incorporated up to 3% in all types of topical formulas. It can be easily incorporated into slimming projects:**

Yellow opalescent liquid  
Lipophilic

Color and odor stable over time.

Non sensitive to heat and shearing – Compatible with cold process.

Incorporation before emulsion (in the heated oily phase) or after emulsion, while still hot.

May generate electrolytes during neutralization => Use of SEPIPLUS range polymers recommended.

Compatible with caffeine, ethanol.



Suitable for White emulsions or cream-gels (with or without fragrance).



## CELLULITE CORRECTION CARE – CAFFEINE FREE – PROVEN EFFICACY - 7028

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**Cream gel with ADIPOSIM tested in vivo on 19 volunteers. Visual cellulite improvement obtained on 71% of volunteers after only one month of treatment.**

### Formula

<b>A</b>	<ul style="list-style-type: none"><li>• <b>SEPINOV EMT10</b> (<i>Hydroxyethyl acrylate &amp; Sodium acryloyldimethyl taurate copolymer - SEPPIC</i>)</li><li>• Water</li></ul>	3.00 % Qsp 100%
<b>B</b>	<ul style="list-style-type: none"><li>• Glycerin</li></ul>	10.00 %
<b>C</b>	<ul style="list-style-type: none"><li>• Isononyl isonanoate</li><li>• Cyclopentasiloxane</li><li>• Phenoxyethanol</li><li>• Methyl paraben</li><li>• Ethyl paraben</li></ul>	4.00 % 2.00 % 0.35 % 0.15 % 0.15 %
<b>D</b>	<ul style="list-style-type: none"><li>• Ethanol</li><li>• Chlorphenesin</li><li>• Fragrance</li></ul>	30.00% 0.20 % 0.20 %
<b>E</b>	<ul style="list-style-type: none"><li>• <b>ADIPOSIM</b> (<i>Sorbitan laurate and Lauroyl Proline - SEPPIC</i>)</li></ul>	3.00 %
<b>F</b>	<ul style="list-style-type: none"><li>• NAOH ( 12% solution)</li></ul>	Qs pH= 5.2



## INVISIBLE LIQUID SLIMMING AND FIRMING PATCH - 7025

**Original formula for a second-skin treatment combining ADIPOS LIM with SEPILIFT DPHP (firming action) and SESAFLASH (rapid improvement in surface appearance).**

### Formula

<b>A</b>	<ul style="list-style-type: none"><li>• Polyvinyl Alcohol (20% solution in water)</li></ul>	40.00%
	<ul style="list-style-type: none"><li>• Water</li><li>• Ethanol</li><li>• Chlorphenesin</li><li>• <b>SEPINOV EMT10</b> (Hydroxyethyl Acrylate / Sodium Acryloyl dimethyl taurate copolymer - SEPPIC)</li><li>• Xanthan gum</li></ul>	Qsp 100% 30.00% 0.20% 1.00% 0.20%
<b>B</b>	<ul style="list-style-type: none"><li>• <b>SESAFLASH</b> (Glycerin &amp; Acrylates copolymer &amp; VP/ Polyglycol ester &amp; Hydrolyzed Sesam Protein PGpropyl Methylsilanediol- SEPPIC)</li></ul>	3.00%
<b>C</b>	<ul style="list-style-type: none"><li>• <b>ADIPOS LIM</b>(Sorbitan Laurate &amp; N-Lauroyl Proline- SEPPIC)</li></ul>	3.00%
<b>D</b>	<ul style="list-style-type: none"><li>• <b>SEPILIFT DPHP</b> (Dipalmitoyl Hydroxyproline- SEPPIC)</li><li>• Water</li></ul>	1.00% 10.00%



## INTENSE LIPO-STOP SLIMMING CARE 7026

**ADIPOSLIM™ associated with CAFFEINE for a powerful lypolytic effect.**

### Formula

<b>A</b>	• <b>SIMULSOL 165</b> ( <i>Glyceryl stearate and PEG-100 stearate - SEPPIC</i> )	2.00 %
	• <b>MONTANOV 202™</b> ( <i>Arachidyl alcohol &amp; behenyl alcohol &amp; arachidyl glucoside - SEPPIC</i> )	3.00 %
	• Caprylic Capric triglyceride	15.00 %
<b>B</b>	• <b>SEIPLUS 400</b> ( <i>Polyacrylate 13 /Polyisobutene /Polysorbate 20 - SEPPIC</i> )	0.20 %
<b>C</b>	• Chlorphenesin	0.20 %
	• Methyl paraben	0.30 %
	• Ethyl paraben	0.20 %
	• Caffeine	5.00 %
	• Water	Qs 100 %
<b>D</b>	• Ethanol	20.00 %
<b>E</b>	• <b>ADIPOSLIM</b> ( <i>Sorbitan Laurate &amp; Lauroyl Proline- SEPPIC</i> )	3.00 %
	• Fragrance	0.07 %



**ADIPOSLIM:**

**6. Summary of key benefits**



## ADIPOSLIM KEY BENEFITS

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- 1. Lipo-aminated structure for targeted adipocytes efficacy (vectorization of titrated Lauroylproline) – SEPPIC PATENT**
- 2. Dual action for “TOP MODEL” SHAPE ADIPOCYTES !**
  - ⇒ **1. Inhibition of Fat Storage => puts adipocytes on a diet by inhibiting the entry of free fatty acids**
  - ⇒ **2. Elimination of Fat Storage => fat is expelled from the adipocytes and recycled into energy**
- 3. Cellulite corrector without massage: efficacy clinically demonstrated after 1 month of treatment (versus placebo)**
- 4. Excellent tolerance for cosmetic applications (3%)**
- 5. Perfect cosmetic stability – can be used in cream-gels & emulsions – compatible with caffeine and ethanol.**
- 6. The “Plus Points” in comparison with caffeine:**
  - ⇒ INHIBITION of FAT STORAGE / Greater ELIMINATION of FAT STORAGE (improved Lipolysis + recycling of FFA into energy) / Formulation advantages (stability & ease of use) / Regulatory issue**





## SOS SILHOUETTE PROGRAM

### **ADIPOLESS:**

***Less adipocytes to maintain your  
“silhouette”!***

***Anti-Adipogenesis innovation.***

***SEPPIC and Biopharmacopea patent***





***ADIPOLESS, a very high-quality plant extract with new powers***

***QUINOA from CANADA***  
***- Organic crop conforming with international standards***

***=> No herbicides, pesticides or fertilizers used.***

***Composition and efficacy are guaranteed for each batch:  
dilinoleoyl-glycero-3-phosphocholine content titrated + guaranty of slimming innovation (anti-angiogenesis effect tested)***

***Original extraction process (patented) for improved slimming efficacy***

***INCI name: Butylene Glycol and Chenopodium Quinoa Seed Extract***



## ADIPOLESS - STRUCTURE

*Original extraction process  
(patented)*

### *Chenopodium Quinoa from Canada*



*- Noble plant containing no gluten called the “rice of the Incas”, with a targeted nutritional value: rich in bioavailable minerals (iron, magnesium, zinc, manganese), vitamins, essential amino acids, etc.*

*- High-quality ORGANIC crops*

*Purification by mechanical abrasion, vigorous washing, drying and pasteurization*

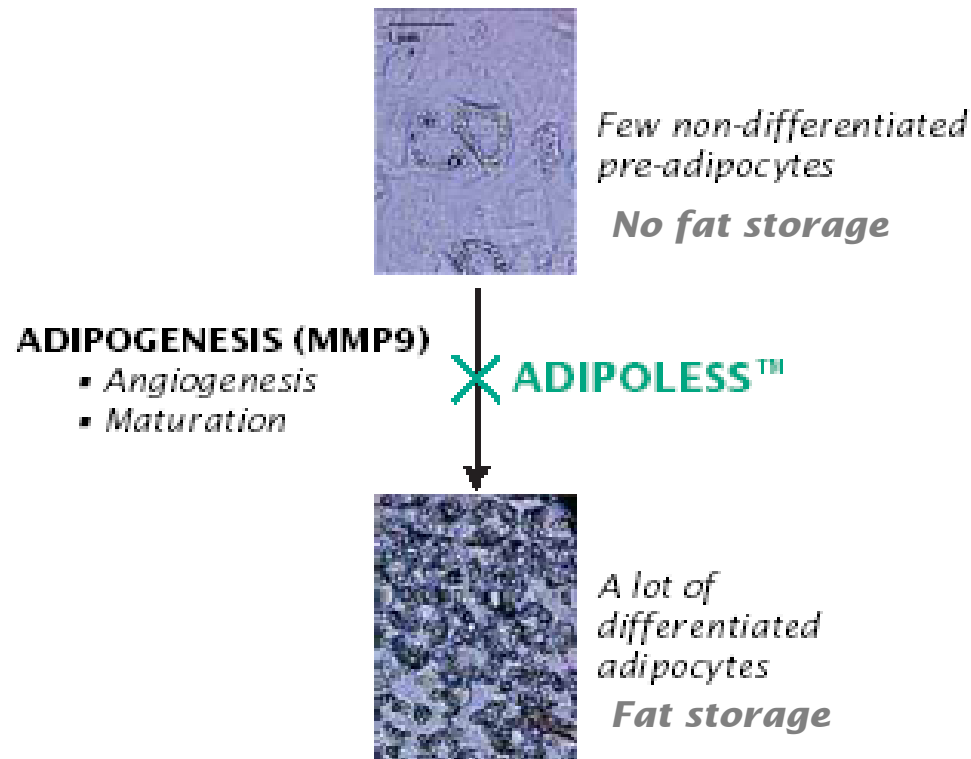
*Desaponified extract, without contaminants*

*More efficient extraction*

**ADIPOLESS**

*- With a titrated DLP content (dilinoleoyl-glycero-3 phosphocholine )*

*- Slimming efficacy guaranteed (anti-angiogenesis effect)*



***ADIPOLESS inhibits the formation of new fat thanks to its anti-adipogenesis effect.***



**Innovation**

**ADIPOLESS**



**Complementary effect with ADIPOS LIM to maintain the « silhouette » !**

## ANTI-ADIPOGENESIS EFFECT

**Prevents recruitment of new adipocytes thanks to its anti-MMP9 effect (signal promoting formation of adipose tissue)**

### 1. ANTI ANGIOGENESIS

*Inhibits neo-vascularisation*

*Pre -Adipocytes are on a diet*

### 2. ANTI MATURATION

**of adipocytes**

*Adipocytes are not functional and cannot store fats !*



SEPPIC

# **ADIPOLESS**

## **1. Anti-Adipogenesis**

***INNOVATIVE EFFECT***

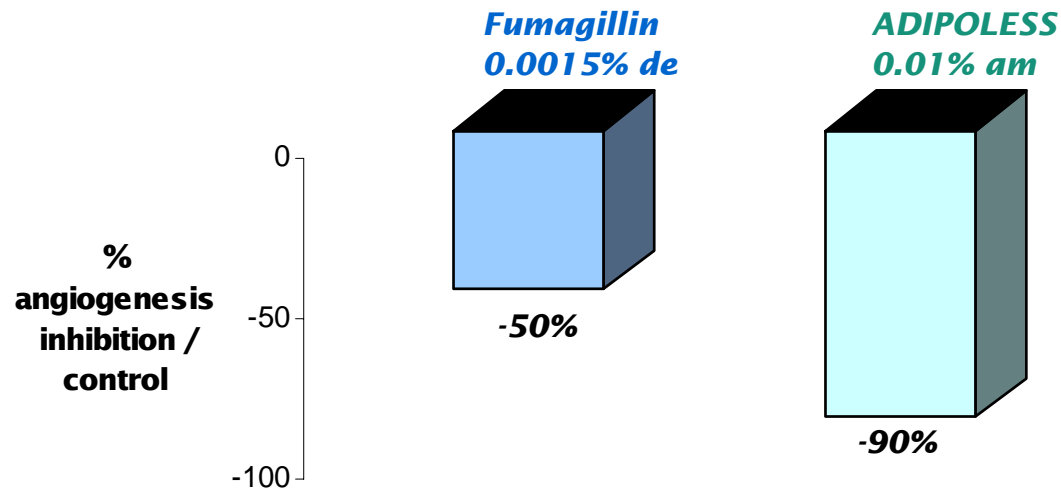


## ADIPOLESS: LESS ADIPOCYTES TO MAINTAIN YOUR "SILHOUETTE"

SLIMMING  
INNOVATION

### 1.1. ANTI-ANGIOGENESIS EFFECT (↘ neo-vascularization)

**Protocol:** Quantification of the number of capillary structures on a UVEC endothelial cell culture coming from cord ombelical (able to arrange themselves in blood vessels).



⇒ **ADIPOLESS limits the neo-vascularization required to nourish and generate new adipocytes (adipogenesis). Therefore it effectively inhibits the formation of new fat.**

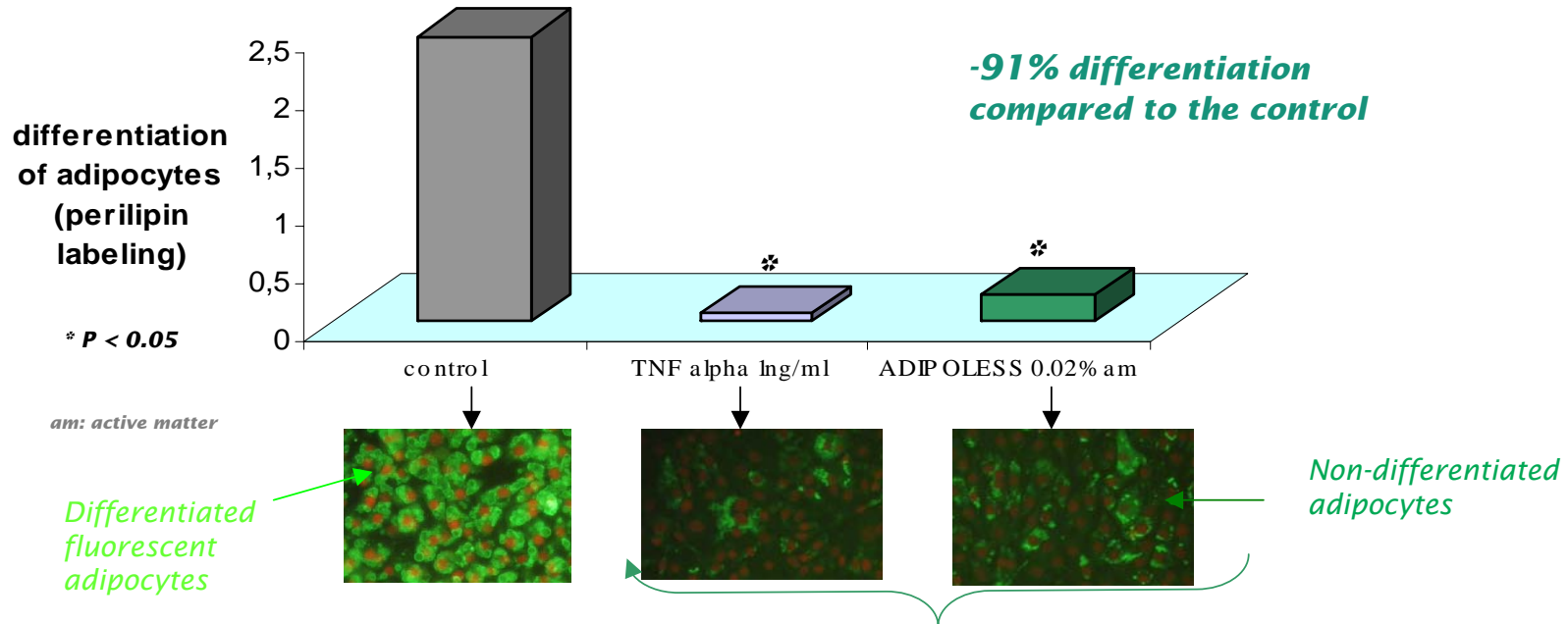


# ADIPOLESS: LESS ADIPOCYTES TO MAINTAIN YOUR "SILHOUETTE"

## 1.2. INHIBITION OF ADIPOCYTES MATURATION (differentiation)

### 1.2.1. Non-functional adipocytes:

**Protocol:** Inhibition of differentiation of 3T3-L1 pre-adipocytes into adipocytes is quantified by fluorescent labelling of PERILIPIN (SPECIFIC labelling of lipid droplets). Their metabolic activity is evaluated by assay of the activity of G6PDH, a key enzyme in differentiation.



**The Inhibition of maturation is confirmed by the inhibition of the metabolic activity of adipocytes (G6PDH unit / mg proteins): - 100% G6PDH compared to the control with 0.02% ADIPOLESS**



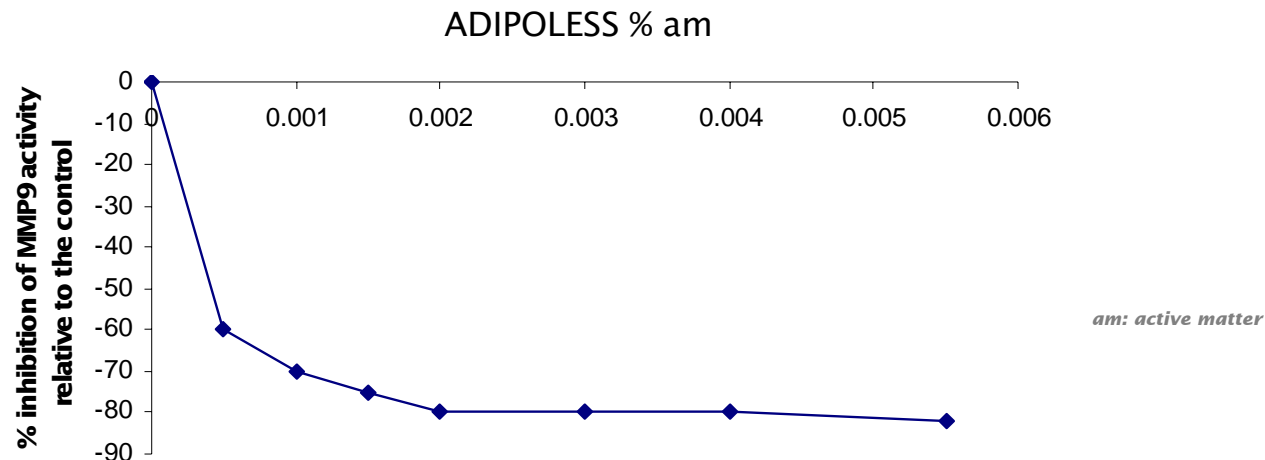


## ADIPOLESS: LESS ADIPOCYTES TO MAINTAIN YOUR “SILHOUETTE”

### 1.3. MODE OF ACTION OF THE ANTI-ADIPOGENESIS EFFECT ?

#### 1.2.2. Inhibition of MMP9 (signal inducing neo-vascularization and differentiation):

**Protocol:** MMP9 is a metalloproteinase secreted by the adipocytes which contributes to adipocyte differentiation and neo-vascularization (formation of adipose tissue). Inhibition of human MMP9 activity is determined by fluoro-enzymatic assay.



**=> By inhibiting the activity of MMP9, ADIPOLESS limits the adipogenesis process (differentiation of adipocytes and neo-vascularization). It thus prevents the formation of new fat.**



**Innovation**

**ADIPOLESS**



**Complementary effect with ADIPOS LIM to maintain the « silhouette » !**

**ANTI-ADIPOGENESIS EFFECT**

**Prevents recruitment of new adipocytes thanks to its anti-MMP9 effect (signal promoting formation of adipose tissue)**

**1. ANTI ANGIOGENESIS**

*Inhibits neo-vascularisation*

*Pre- Adipocytes are on a diet*

**2. ANTI MATURATION**

**of adipocytes**

*Adipocytes are not functional and cannot store fats !*



# **ADIPOLESS**

## **2. Tolerance**



## ADIPOLESS - TOLERANCE

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➔ **ADIPOLESS has an excellent tolerance profile:**

- .Very well tolerated when topically applied**
- . Non-sensitizing**
- . Non-mutagenic**

Dose recommended for total safety: **up to 10% in  
topical cosmetic applications**



**ADIPOLESS**

**3. Formulation guidelines**

➔ **ADIPOLESS can be incorporated from 1% to 3% in all types of formulas for topical use. It can be easily incorporated into slimming projects:**

Hydro-soluble yellow liquid

With a titrated dilinoleoyl-glycero-3-phosphocholine content

Color and odor stable over time

Non sensitive to heat and shearing – Compatible with cold process. May be incorporated before or after emulsification. Introduction to the aqueous phase.

Does not generate electrolytes.

Compatible with caffeine, ethanol.

White emulsions  
or creams-gels

Colorless, clear lotions,  
toiletry products



## SOS SILOUHETTE GEL 7047

***Association of ADIPOS LIM and ADIPOLESS for a curative and preventive effect against cellulite. Cold process formula.***

### **Formula:**

<b>A</b>	<ul style="list-style-type: none"><li>• <b>SEPI NOV EMT10</b> (<i>Hydroxyethyl acrylate &amp; Sodium acryloyldimethyl taurate copolymer - SEPPIC</i>)</li><li>• Water / Aqua</li></ul>	3.00% Qsp 100%
<b>B</b>	<ul style="list-style-type: none"><li>• Glycerin</li></ul>	10.00%
<b>C</b>	<ul style="list-style-type: none"><li>• Isononyl isonanoate</li><li>• Cyclopentasiloxane</li><li>• Phenoxyethanol</li><li>• Methyl paraben</li><li>• Ethyl paraben</li></ul>	4.00% 2.00% 0.35% 0.15% 0.15%
<b>D</b>	<ul style="list-style-type: none"><li>• Ethanol</li><li>• Chlorphenesin</li><li>• Fragrance</li></ul>	30.0% 0.20% 0.10%
<b>E</b>	<ul style="list-style-type: none"><li>• <b>ADI POS LIM</b> (<i>Sorbitan laurate and lauroyl Proline - SEPPIC</i>)</li></ul>	3.00%
<b>F</b>	<ul style="list-style-type: none"><li>• NAOH (12% solution)</li></ul>	Qs pH= 5.2
<b>G</b>	<ul style="list-style-type: none"><li>• <b>ADI POLESS</b> (<i>Butylene glycol and Chenopodium Quinoa Seed Extract - Seppic</i>)</li></ul>	1.00%



## **ADIPOLESS**

### **4. Summary of key benefits**





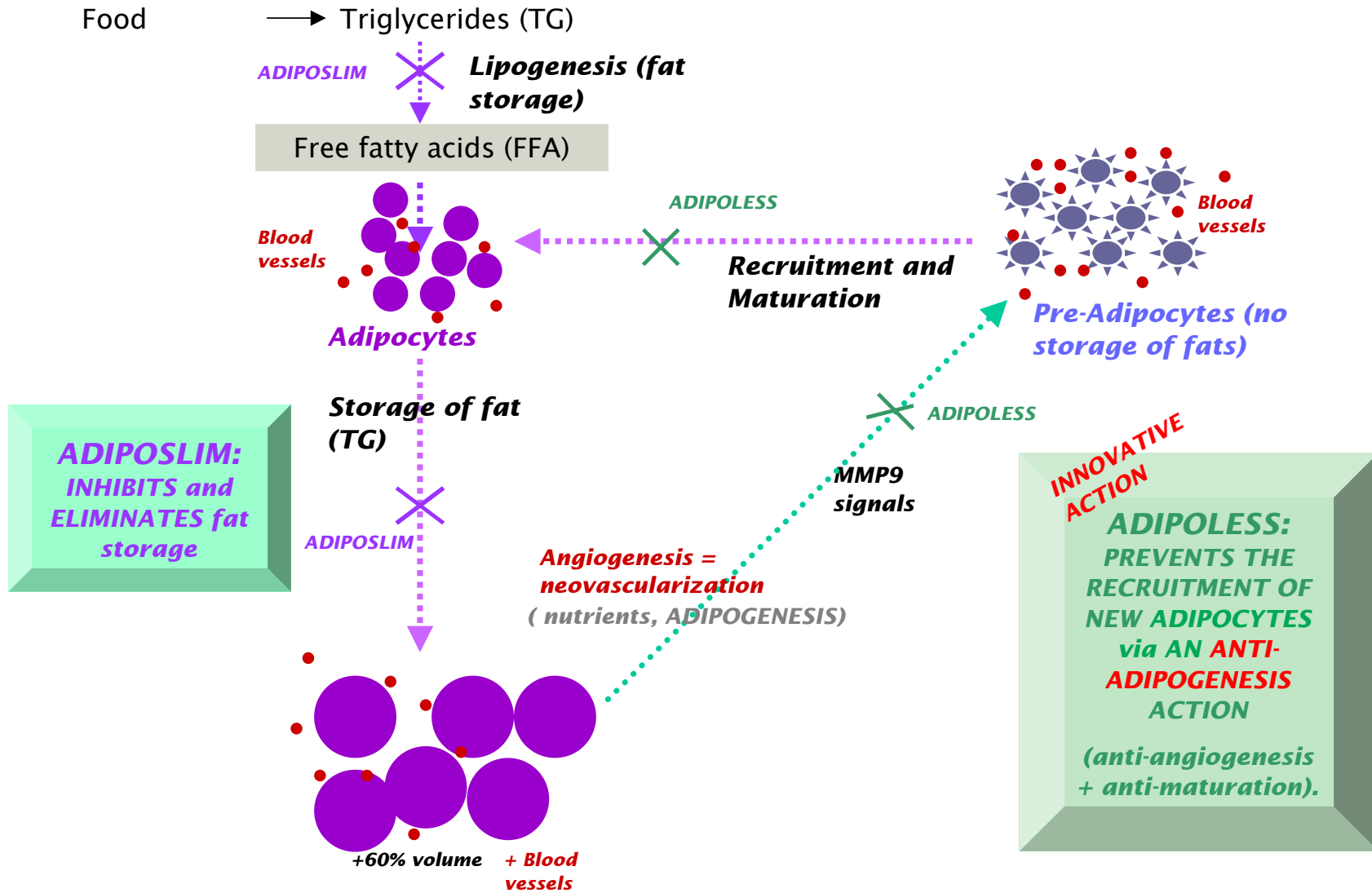
## ADIPOLESS KEY BENEFITS

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- 1. Specific extract of Canadian Quinoa using an original extraction process – High-quality extract with a titrated active substance (dilinoleoyl-glycero 3 phosphocholine) content and a guaranteed anti-angiogenesis efficacy – paraben-free – PATENTED**
- 2. Anti-adipogenesis INNOVATION thanks to an ANTI MMP9 action to prevent the formation of new fat!**  
**=> ANTI-ANGIOGENESIS ACTION => the adipocytes are isolated and put on a diet (↘ neo-vascularization)**  
**=> ANTI-DIFFERENTIATION ACTION => the adipocytes are no longer capable of storing fat**
- 3. Excellent tolerance for cosmetic applications**
- 4. Very easily formulated (hydrosoluble extract) in ALL cosmetic projects, including transparent lotions and toiletry products – can be used to formulate colorless formulas (use from 1 to 3%)**
- 5. Perfect cosmetic stability - compatible with caffeine and ethanol.**



# SOS SILHOUETTE PROGRAM – ADIPOSLIM & ADIPOSESS A WINNING DUO



***A WINNING SLIMMING DUO***



**ADIPOSLIM**

***INHIBITS and ELIMINATES FAT  
STORAGE to get rid of  
existing cellulite!***



***CURATIVE action:  
for “top model”  
shape adipocytes!***

**ADIPOLESS**

***“SILHOUETTE”  
MAINTENANCE to prevent  
new fat forming!***



***PREVENTIVE action: less  
functional adipocytes!***



**Nota**

The analytical specifications warranted are only those mentioned on the certificate of analysis supplied with each delivery of the product.

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