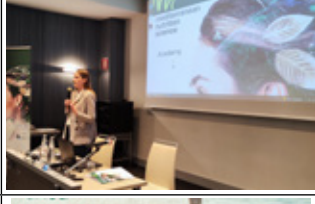




PRODUCT CATALOGUE

Esserre is one of the fastest-growing companies in Europe. Its unique strategy leverages on the deep science of the Mediterranean Diet, which is recognized as the most effective diet to prevent chronic diseases improving longevity.

The Mediterranean Nutrition Science™ is the new technology platform for researching, developing and manufacturing nutraceutical products from Mediterranean rim.

Step 1 In house R&D Centre	We launched the first R&D centre completely focused on studying Mediterranean extracts and new extraction processes.	
Step 2 Esserre Value Chain	From the field to the finished product on the market we handle each step of development, scale-up, manufacturing and marketing.	
Step 3 Open research nutrition network	In 10 years we built long-term partnerships with the most important public health centres and universities in Italy to provide proprietary scientific evidence on our products.	
Step 4 Mediterranean Nutrition Academy	For the first time KOLs, researchers, academics, meet to study and present to medical congresses the latest updates about Mediterranean Nutrition Science™.	
Step 5 Nutra Advisor	The nutritional rep (phygital) expert in nutrition and nutraceutical to aware MNS to nutritionists in Italy.	
Step 6 Distribution	Pharmacies esserreshop.com Amazon	



Our Mediterranean portfolio

Cardiometabolic

Redülen **Redülen**
Cholesterol **Glycemia**

Skin, Microcirculation and Drainage

Flömel **Flömel** **Flömel**
1000 **500** **250**

Flömel **Flömel** **Flömel**
Plus **Collagen** **Gel Cream**

Gut Health

NutraMet **Entelis**
Fiber

Immunity & Energy

Improve **Improve** **Improve**
Energy **Vitamin D** **Protein**

Improve **Improve**
Hydration **Magnesium**

Cardiometabolic

ColBer[®]

Cough & Cold



Redülen Cholesterol



A formidable ally to support **cardiovascular profile** without side effects. Useful to maintain normal cardiovascular parameters.

Form: 30 tablets | **Dosage:** 1 or 2 tablets a day after main meals

GLUTEN FREE | **LACTOSE FREE** | **HALAL CERTIFIED**

Up-cycled pack from agri-food by products

Key components



Brumex®
proprietary extract
from bergamot



Nopalis™
proprietary extract
from Preakly Pear



Phytosterols
0,4 g 1 cpr
0,8 g 2 cpr



Vitamin B1
Tiamine

Its components contribute to:

- Maintaining normal blood cholesterol levels*
- Supporting normal cardiac function
- Body weight balance and modulation of nutrient absorption

*Beneficial effect obtained with daily intake of at least 0,8 g of plant sterols/stanols

Ingredients	For 1 tablet	%NRV*	For 2 tablets	%NRV*
Brumex®, bergamot extract	200 mg	-	400 mg	-
Nopalis™	150 mg	-	300 mg	-
Phytosterols	400 mg	-	800 mg	-
Vitamin B1	12,5 mg	1136	25 mg	2272

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 tablet (1,2g)
Energy	Kcal Kj	444 1841	5,33 22,1
Fat of which - saturated fats	g g	27,9 3,53	0,33 0,04
Carbohydrate of which - sugars	g g	35,4 0,80	0,42 0,01
Fiber	g	18,9	0,23
Protein	g	3,3	0,04
Salt	g	0,468	0,006

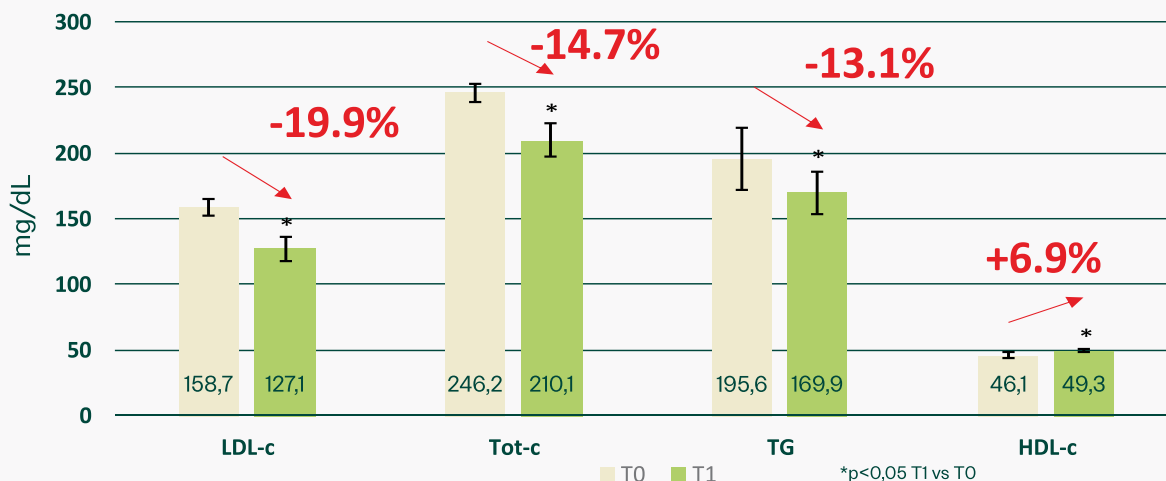


CLINICAL STUDIES

Randomized, double-blind, placebo-controlled trial¹

- 75 patients with mild hypercholesterolemia and low cv risk (LDL-c 115-190 mg/dL)
- 1 tablet per day after dinner + specific diet + physical activity vs placebo
- 12 weeks of supplementation

Aims of the clinical trial: improvement of lipidic profile

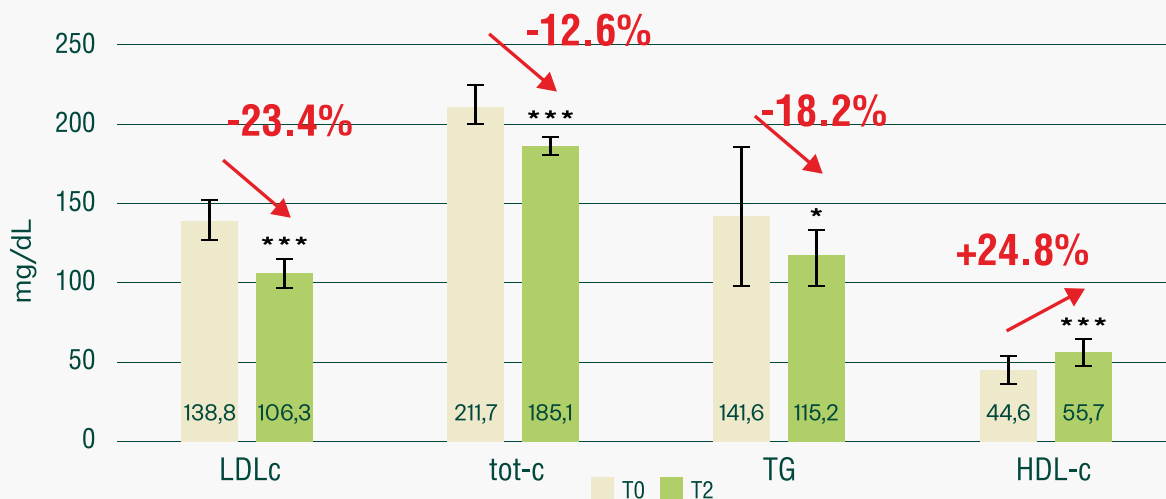


- Statistically significant improvement over the entire lipid profile
- Non-significant placebo effects
- Clinical trial showed no side effects during treatment

Observational study²

- 80 patients with mild hypercholesterolemia (LDL-c 115-190 mg/dL)
- 1 tablet per day after dinner + specific diet + physical activity
- 16 weeks of supplementation

Aims of the clinical trial: improvement of lipidic profile



- Statistically significant improvement in the entire lipid profile
- Significant increase in HDL levels
- Clinical trial showed no side effects during treatment

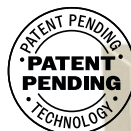
*p < 0,05, **p ≤ 0,01,
***p ≤ 0,0001 T2 vs T0
#p < 0,05, ##p ≤ 0,01,
###p ≤ 0,0001 Redulen vs Placebo

¹Federica Fogacci, Valentina Di Micoli, Maddalena Veronesi, Arrigo F.G. Cicero, Comparative effect of a nutraceutical compound based on a flavonoid complex from bergamot on plasma lipids, glucose metabolism and liver enzymes: a 3-arm, double blind, placebo-controlled, randomized, clinical trial. Arch Med Sci 2023; 19(5) <https://doi.org/10.5114/aoms/152791>

²Di Folco, U. et al. A nutraceutical phytocomplex of extracts from Citrus Bergamia and Opuntia ficus-indica improves lipid profile in subjects with mild hypercholesterolemia; 2023

Redulen Glycemia

An easy-to-take supplement for blood glucose management. Useful to maintain normal glycemia-related parameters.



Form:
60 tablets

Dosage: 2 tablets a day,
each after main meals

**GLUTEN
FREE**

**LACTOSE
FREE**



**HALAL
CERTIFIED**



Up-cycled pack from
agri-food by products

Key components



Lemotrin® proprietary
extract with flavonoids
from lemon



Hesperidin
from orange



Red vine
extract with
flavonoids



Chromium (picolinate)
125 µg 1 cpr
250 µg 2 cpr

Its components contribute to:

- Maintaining normal blood glucose levels
- Normal macronutrient metabolism

Ingredients	For 1 tablet	%NRV*	For 2 tablets	%NRV*
Lemotrin™ complex composed of: Lemon dry extract of which flavonoids	250 mg 25 mg	- -	500 mg 50 mg	- -
Hesperidin from <i>Citrus sinensis</i>	160 mg	- -	320 mg	- -
Red vine dry extract of which flavonoids	50 mg 10 mg	- -	100 mg 20 mg	- -
Chrome	125 µg	313	250 µg	626

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 tablet (0,57g)
Energy	kcal kJ	273 1149	1,56 6,55
Fat of which - saturated fats	g g	1 0,88	0,006 0,005
Carbohydrate of which - sugars	g g	53,5 0,86	0,3 0,005
Fiber	g	21,0	0,1
Protein	g	2,0	0,01
Salt	g	1,46	0,008



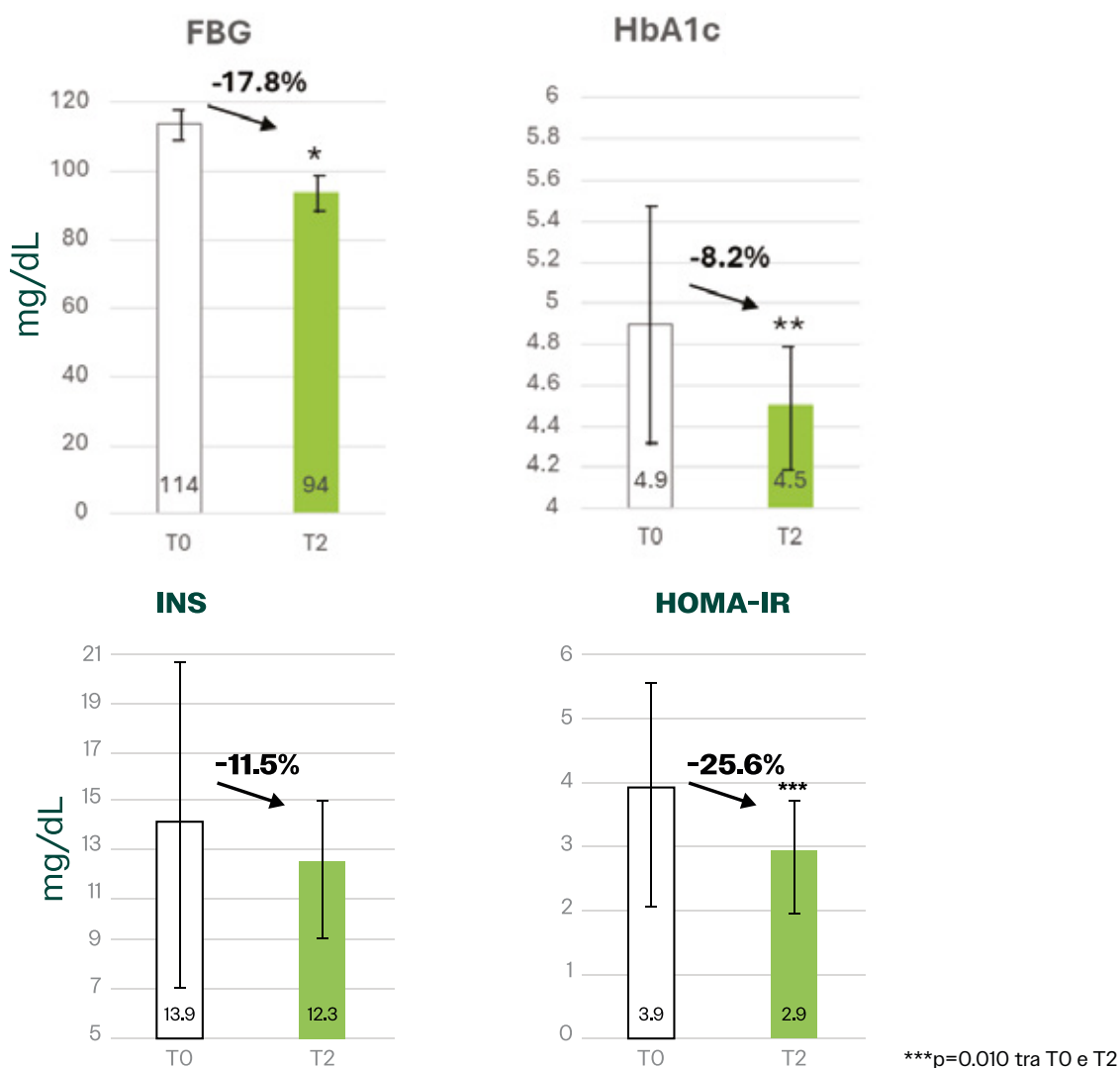
CLINICAL STUDIES

Randomized, double-blind, placebo-controlled trial¹

- 62 patients with dysglycemia (FBG 100-125 mg/dL)
- 1 tablet, twice a day at main meals + specific isocaloric diet (DASH)
- 24 weeks of supplementation
- Excluded individuals on lipid-lowering, hypoglycemic, or nutraceutical drug treatment.

Aims of the clinical trial:

1. Improvement of fasting blood glucose (FBG)
2. Reduction of fasting insulinemia, Homa index and glycated hemoglobin (HbA1c)



- Findings suggest statistically significant reduction of Fasting Blood Glucose (FBG) in subjects with dysglycemia
- Findings suggest significant reduction of HOMA Index (HOMA-IR) and Glycated Hemoglobin (HbA1c) in subjects with dysglycemia

¹Di Minno A, Morone MV, Buccato DG, De Lellis LF, Ullah H, Borromeo L, Cerqua A, Piccinocchi R, Greco A, Santonastaso S, Larsen DS, El-Seedi H, Riccioni CV, Baldi A, Piccinocchi G, Xiao X, Sacchi R, Daglia M.

Impact of a food supplement containing Citrus limon L. Osbeck and Vitis vinifera L. extracts, Hesperidin and Chromium in combination with an isocaloric diet on glucose and lipid metabolism in subjects with impaired glucose metabolism: a single-center, controlled, randomized, parallel-arm, double-blind clinical trial. 2025

ColBer®

The most extensively studied bergamot-based formula for cholesterol, triglycerides and metabolic functions.

ColBer® is licensed and distributed by partner.



Form: 30 tablets
90 tablets | **Dosage:** 1 or 2 tablets
a day after main meals



Key components



Brumex®
proprietary extract
from bergamot



Artichoke leaves
extract



Phytosterols
0,12 g 1 cpr
0,24 g 2 cpr



Vitamin C
Ascorbic acid

Its components contribute to:

- Maintaining normal blood cholesterol levels*
- Normal metabolism of fats

*beneficial effect obtained with daily intake of at least 0,8 g of plant sterols/stanols

Ingredients	For 1 tablet	%NRV*	For 2 tablets	%NRV*
Brumex®, bergamot extract of which flavonoids	200 mg 80 mg	- -	400 mg 160 mg	- -
Artichoke extract of which chlorogenic acid	80 mg 2 mg	- -	160 mg 4 mg	- -
Phytosterols	120 mg	-	240 mg	-
Vitamin C	20 mg	25	40 mg	50

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	Per 1 tablet (0,98g)
Energy	kcal kJ	383 1602	3,75 15,70
Fat of which - saturated fats	g g	12,3 3,3	0,12 0,03
Carbohydrate of which - sugars	g g	65,5 0	0,64 0
Fiber	g	2,7	0,03
Protein	g	1	0,01
Salt	g	0,52	0,005

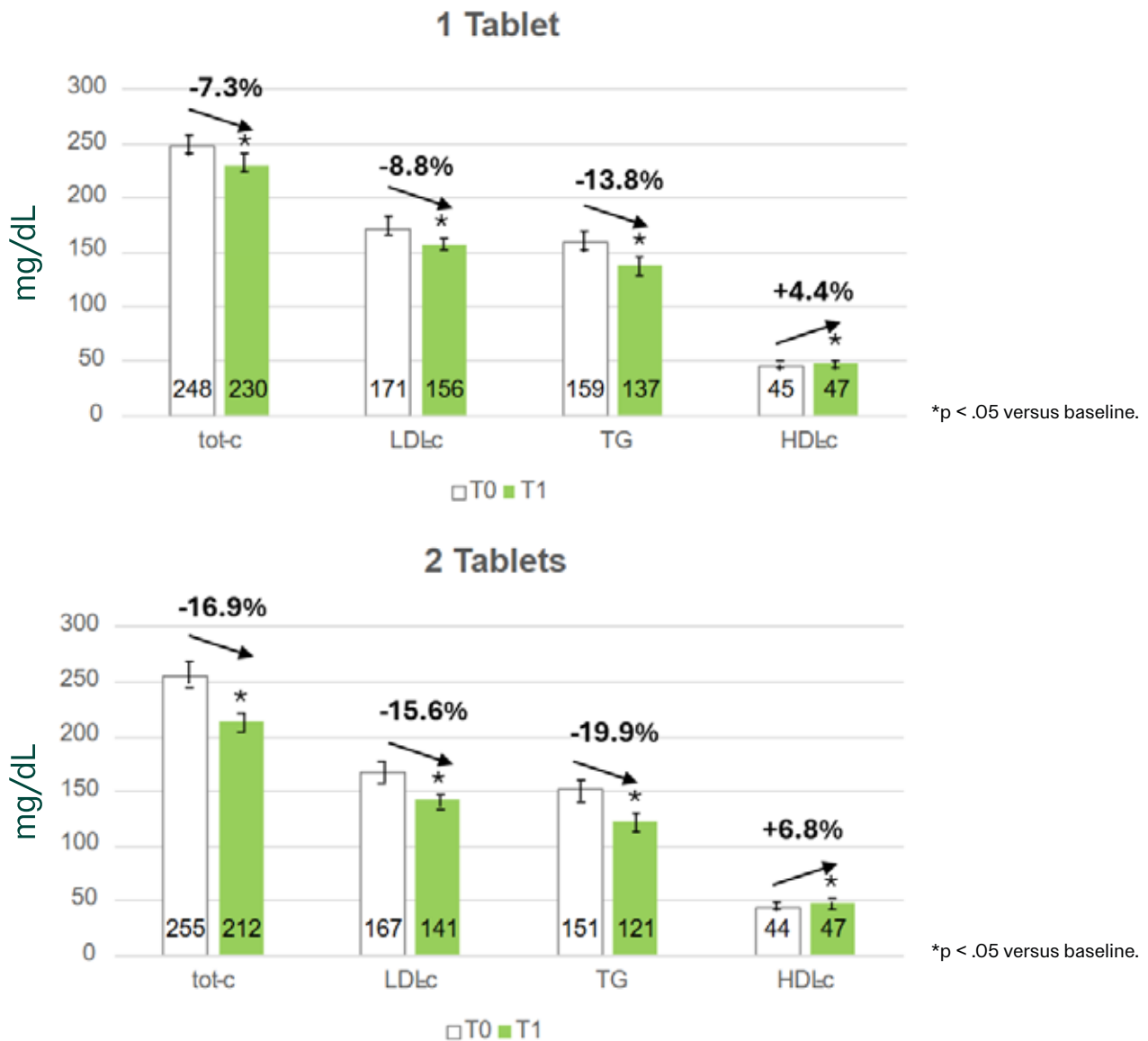


CLINICAL STUDIES

Randomized, double-blind, placebo-controlled three-arm trial¹

- 90 overweight patients (BMI > 25 kg/m²) with dyslipidemia (tot-c 200-280 mg/dL and LDL-c 130-190 mg/dL)
- 2 tablets per day vs tablet + placebo vs placebo + placebo (a regime with diet and physical activity were applied to tablets and/or placebo to every arm of the study).
- 24 weeks of supplementation

Aims of the clinical trial: improvement of lipidic profile



- Statistically significant improvement over the entire lipid profile, more evident for 2-tablets regimen
- Significant increase in HDL levels
- Non-significant placebo effects
- Clinical trial showed no side effects during treatment
- Clinical trial showed also statistically significant effects in reduction of hs-CPR: -17% and TNF-α: 21%

1. Cicero AFG et al. Three-arm, placebo-controlled, randomized clinical trial evaluating the metabolic effect of a combined nutraceutical containing a bergamot standardized flavonoid extract in dyslipidemic overweight subjects. *Phytotherapy Research* 2019; Aug;33(8):2094-2101. doi: 10.1002/ptr.6402. Epub 2019 Jun 21. PMID: 31225673.

Flomel 1000



Flomel 500



Flomel 250



A blend of natural technology and scientific knowledge, an optimized formula to contrast discomfort and embarrassment associated with water retention and cellulite blemishes.

Form:
14 sachets

Dosage:
1 sachet a day
far from meals

Form:
20 sachets
40 sachets

Dosage:
1 sachet a day
far from meals

Form:
30 tablets
60 tablets

Dosage:
1 or 2 tablets a day
far from meals

**PRESERVATIVE
FREE**

**WITH NATURAL
SWEETENER**

**GLUTEN
FREE**

**LACTOSE
FREE**



**HALAL
CERTIFIED**



Up-cycled pack from
agri-food by products

Key components



Pineapple extract:
Bromelain (2500 GDU/g)
Pineapple juice (Flomel
500, Flomel 1000)



Hesperidin
from orange

Its components contribute to:

- Drainage of fluids and contrast to water retention
- Contrast to heaviness of legs
- Combating the imperfections of cellulite

Ingredients	Flomel 1000	Flomel 500	Flomel 250
	For 1 sachet (4g)	For 1 sachet (3g)	For 1 tab (520mg)
MNS-58 Complex:			
• Bromelain (2500 GDU/g)	450 mg	900 mg	225 mg
• Hesperidin from <i>Citrus Sinensis</i>	50 mg	100 mg	25 mg
Dehydrated pineapple juice	300 mg	300 mg	-

Nutrients		Flomel 1000		Flomel 500		Flomel 250	
		For 100g	For 1 sac (4g)	For 100g	For 1 sac (3g)	For 100g	For 1 tab (520mg)
Energy	kcal kJ	394 1665	15,76 66,6	384 1627	11,52 48,81	385 1625	200,2 8,45
Fat of which - saturated fats	g g	0,4 0,1	0,016 0,004	0,2 <0,1	0,006 0,004	3,5 2,0	0,0182 0,0104
Carbohydrate of which - sugars	g g	93,8 7,5	3,752 0,3	93,9 8,0	2,817 0,24	86,7 2,2	0,45 0,011
Fiber of which - soluble - insoluble	g g g	1,9 1,71 0,19	0,076 0,0684 0,0076	1,5 1,35 0,15	0,045 0,0405 0,0045	1,6 1,44 0,16	0,008 0,0075 0,00083
Protein	g	0,9	0,036	1,0	0,03	0,9	0,00468
Salt	g	0,09	0,0036	0,07	0,0021	0,18	0,00094



Flomel Plus

A blend of natural technology and scientific knowledge, an optimized formula specifically aimed to sustain circulatory health.



Form: 20 sachets | **Dosage:** 1 sachet per day

GLUTEN FREE | **LACTOSE FREE** | **WITH NATURAL SWEETENER**

 Up-cycled pack from agri-food by products

Key components



Bromelain (2500 GDU/g) from pineapple



Hesperidin from orange



Red vine rich in anthocyanins



Vitamin C Ascorbic acid

Its components contribute to:

- Well-being of the microcirculation
- Antioxidant action
- Collagen formation for blood vessels function

Ingredients	For 1 sachet	%NRV*
Bromelain 2500 GDU/g from <i>Ananas Comosus</i> (L.) Merr	300 mg	-
Hesperidin from <i>Citrus Sinensis</i>	100 mg	-
Red vine dry extract, from <i>Vitis Vinifera</i> (L.) d.e. of which anthocyanins	70 mg 5 mg	- -
Vitamin C	80 mg	100

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 sachet (3g)
Energy	kcal kJ	380 1616	11,4 48,48
Fat	g	0,16	0,005
Carbohydrate of which - sugars	g g	94,7 6,34	2,8 0,19
Fiber	g	<0,10	<0,003
Protein	g	<0,50	<0,015
Salt	g	0,0475	0,001

Flomel Gel Cream

The cream-gel of Flomel line is dermatologically tested and it is designed to being used in combination with oral formulations, at need, for a synergistic action to boost effects.



Form: 200 ml tube

Dosage: apply to the affected area morning and evening, with circular movements from bottom to top until absorbed

Without parabens,
silicones and
petrolatum



**HALAL
CERTIFIED**



Tube made of
bioplastic from
organic sugarcane

Key components



Bromelain (2500
GDU/g) from
pineapple



Preakly pear
extract



Red vine and
orange flavonoids



Vitamin E
Tocopherols
Tocotrienols

Its components contribute to:

- Drainage of excess fluids
- Emollient action to restore hydration and elasticity of skin
- Reducing of swelling and heaviness of legs
- Support functionality of the skin microcirculation

INCI: Aqua, Polyglyceryl-3 Rice Branate, Coco-Caprylate/Caprates, Glycerin, Propanediol, Caprylic/Capric Triglyceride, Menthyl Lactate, Bromelain, Opuntia Ficus-Indica Stem Extract, Tocopherol, Menthol, Citrus Aurantium Dulcis Seed Extract, Tocopheryl Acetate, Citrus Paradisi Seed Extract, Citrus Maxima Seed Extract, Vitis Vinifera Fruit Extract, Maltodextrin, Benzyl Alcohol, Lecithin, Xanthan Gum, Sodium Dehydroacetate, Lactic Acid, Sodium Phytate, Parfum, Sodium Benzoate, Ascorbyl Palmitate, Citric Acid, Linalyl Acetate

CLINICAL STUDIES

PILOT STUDY¹

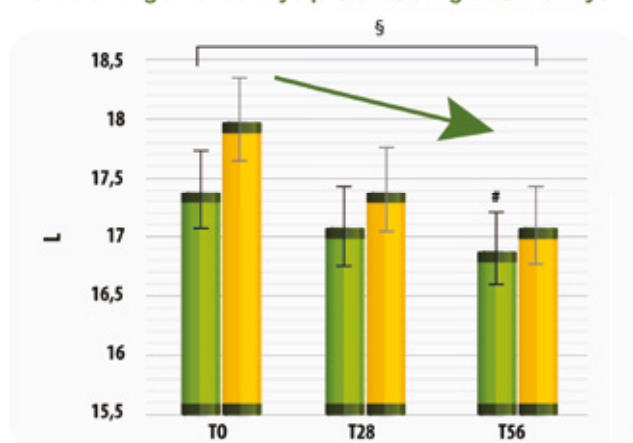
- 40 healthy women with edema and cellulite blemishes
- 1 sachet of Flomel 500 per day + 1 application of Flomel Gel Cream vs 1 application of Flomel Gel Cream
- Follow-up of application and supplementation at 28 days (T1) and 56 days (T2)

Aims of the clinical trial:

1. Improvement of extracellular water, legs and hips circumference reduction
2. Reduction of fat mass

Statistically significant reduction of extracellular water

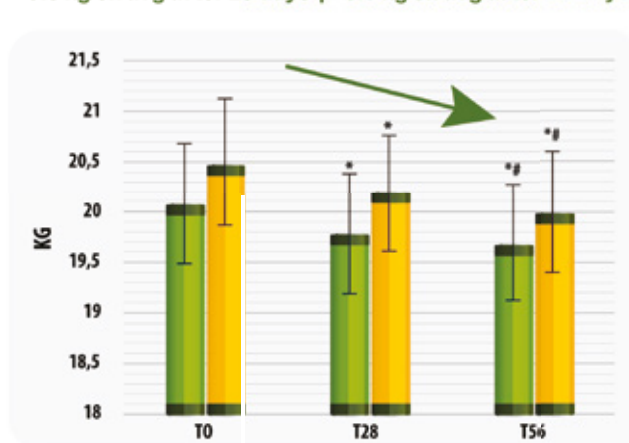
-0.6 L on avg after 28 days | -0.9 L on avg after 56 days



Reduction of extracellular water and fat mass in the two groups; * p < 0.05 vs baseline; #p < 0.05, T2 vs T1; §P < 0.05 Group B vs Group A, during the entire treatment

Statistically significant reduction in fat mass

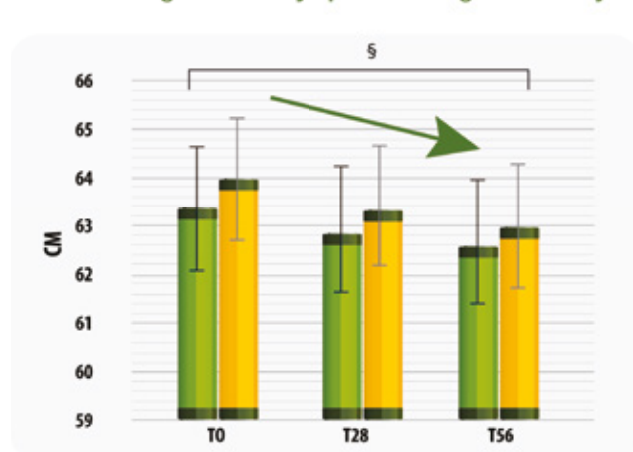
-0.3 kg on avg after 28 days | -0.5 kg on avg after 56 days



Reduction of extracellular water and fat mass in the two groups; * p < 0.05 vs baseline; #p < 0.05, T2 vs T1; §P < 0.05 Group B vs Group A, during the entire treatment

Cm reduction of legs circumference

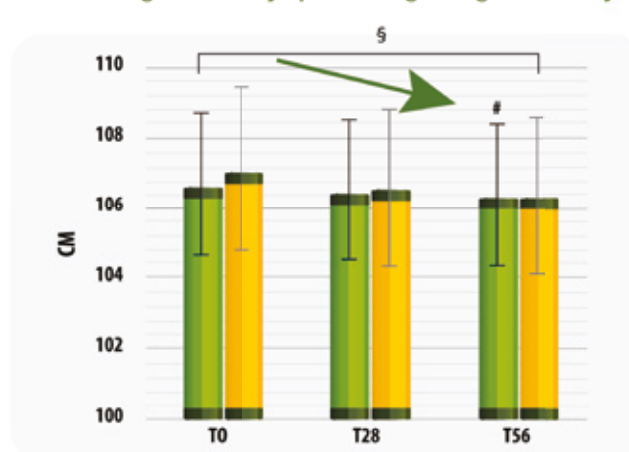
-0.6 cm on avg after 28 days | -1 cm on avg after 56 days



Reduction of the circumference of the legs and hips in the two groups; * p < 0.05 vs baseline; #p < 0.05, T2 vs T1; §P < 0.05 Group B vs Group A, during the entire treatment.

Cm reduction of hips circumference

-0.4 cm on avg after 28 days | -0.7 cm on avg after 56 days



Reduction of the circumference of the legs and hips in the two groups; * p < 0.05 vs baseline; #p < 0.05, T2 vs T1; §P < 0.05 Group B vs Group A, during the entire treatment.

Findings show that:

- The dermo-cosmetic gel improved edema and localized fat mass both alone and in combination with Flomel 500 (oral).
- This association resulted more significant over time.

1. Effects of a topical treatment with a dermo-cosmetic gel cream based on bromelain plus mediterranean ingredients alone and in combination with the oral intake of a bromelain-based food supplement in women with edema and localized fat mass, B. Orrù, C. Riccioni et al. Journal of Applied Cosmetology, Vol. 40 iss. 1 (Jan-Jun, 2022) 5/18

Flomel Collagen

Collagen-based with antioxidant properties to support aesthetic and functional health of skin, nails, hair and connective tissue.



Form: 20 sachets | **Dosage:** 1 sachet per day

GLUTEN FREE | **LACTOSE FREE** | **WITH NATURAL SWEETENER**

 Up-cycled pack from agri-food by products

Key components



Hydrolyzed type I Collagen



Hesperidin from orange



Zinc



Vitamin C
Ascorbic acid

Its components contribute to:

- Maintaining of normal skin, hair and nails
- Supporting collagen formation for skin functioning
- Supporting collagen formation for cartilage and bone functioning

Ingredients	For 1 sachet	%NRV*
Complesto MNS-58: Hydrolyzed collagen Hesperidin from <i>Citrus sinensis</i>	2.5 g 100 mg	- -
Vitamin C	80 mg	100
Zinc	2.5 mg	25

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 sachet (4g)
Energy	kcal kJ	372 1583	14,88 63,32
Fat	g	0,18	0,007
Carbohydrate of which - sugars	g g	27,4 1,86	1,1 0,07
Fiber	g	<0,10	<0,004
Protein	g	65,3	2,6
Salt	g	0,423	0,02

NutraMet Fibra

A soluble prebiotic fiber designed to support daily needs and nourishing healthy bacterial flora. With excellent digestive tolerability, it promotes intestinal balance.

Form: 20 sachets | 40 sachets | **Dosage:** 1 or 2 sachets per day

Form: 320g powder  | **Dosage:** 2 or 4 scoops per day

**PRESERVATIVE
FREE**

**WITHOUT SUGAR
OR SWEETENERS**

**GLUTEN
FREE**

**LACTOSE
FREE**



Up-cycled pack from agri-food by products



Key components



Probiotic resistant dextrins from wheat starch

Its components are:

- Made by soluble prebiotic fiber derived from wheat starch
- Thought for the balance of intestinal flora
- Designed to reduce glycemic response after meals
- Without added flavours or sugars, it can be dissolved in all cold or hot dishes or drinks

Nutrients		Per 100g of product	For 1 sachet or 2 scoops (8g)
Energy	kcal kJ	220 896	18 72
Fat	g	0	0
Carbohydrate of which - sugars	g g	14 0	1,1 0
Fiber	g	82	6,5
Protein	g	0	0
Salt	g	0	0

Entelis

Probiotic designed to restore and maintain a balanced intestinal microbiota, particularly in individuals suffering from intestinal dysbiosis, low-grade inflammation, or alterations in intestinal function.



Form: 15 capsules | **Dosage:** 1 capsule daily, preferably shortly before or during meals

**ALLERGENS
FREE**

**GLUTEN
FREE**

**LACTOSE
FREE**

**Vegetarian
capsules**



**HALAL
CERTIFIED**



Up-cycled pack from agri-food by products

Key components

1

Bifidobacterium animalis subsp. lactis BS01

Restores microbiota balance

This strain has demonstrated efficacy in improving symptoms associated with intestinal discomfort and constipation.

2

Bifidobacterium breve BR03

Supports the management of low-grade chronic inflammation

BR03 has shown in vitro activity in downregulating pro-inflammatory cytokines (IL-6, TNF- α) and promoting anti-inflammatory mediators (IL-10, IL-4)*.

*Nicola S. et al., AgroFOOD (2010)

Ingredients	Per capsule
Fructo-oligosaccharides (FOS)	240 mg
<i>Bifidobacterium breve BR03</i>	10×10^9 CFU
<i>Bifidobacterium animalis subsp. Lactis BS01</i>	10×10^9 CFU

Improve Protein

Plant-based protein supplement formulated for daily intake that contains a calibrated blend of carob and rice proteins, enriched with vitamins and minerals.

SUGAR FREE | GLUTEN FREE | LACTOSE FREE

Form:

300g powder



Dosage: 20g (2 scoops) in 200–250 ml of water



Key components



Carob protein (38.7%)



Rice protein (61.3%)

Its components contribute to:

- Daily protein requirement
- Supports energy levels, muscle mass, and bone health
- Energy and macronutrient metabolism

- **Resistant wheat dextrins** with prebiotic properties that support the balance of intestinal microbiota
- **Acetyl-L-carnitine** to support cellular energy
- **Bromelain**, a proteolytic enzyme that improves protein digestibility
- **Key micronutrients:** calcium, zinc, biotin, vitamins B6 and B12

Ingredients	Daily dose	%NRV*
MNS-26: Calibrated blend of rice protein (61.3%) and carob protein (38.7%) Of which protein	15,51 g 10 g	-
Prebiotic resistant dextrins (from partially hydrolyzed wheat starch)	1 g	-
Acetyl-L-Carnitine	500 mg	-
Calcium	160 mg	20%
Zinc	2 mg	20%
Biotin	10 µg	20%
Vitamin B12	0,5 µg	20%
Vitamin B6	300 µg	21%
Bromelain	50 mg	-

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g	Per serving (20g)	For 1 serving (in 250ml of skimmed partial milk -1.5% fat)	For 1 serving (in 250ml of soy vegetable drink)	For 1 serving (in 250ml of oat vegetable drink)	For 1 serving (in 250ml of rice vegetable drink)
Energy	kcal kJ	324 1363	65 273	184 773	153 625	168 693	200 833
Fat of which - fatty acids	g g	4,2 0,6	0,8 0,1	4,6 2,5	3,5 1,0	3,0 0,8	4,3 0,8
Carbohydrate of which - sugars	g g	14 0,1	2,8 0,02	15 13	9,5 2,5	22,3 10,0	28,3 7,3
Fiber	g	19	3,7	3,7	3,0	2,7	3,0
Protein	g	48	10	18	18,8	11,3	10,8
Salt	g	0,34	0,07	0,07	0,4	0,6	0,4



Improve Hydration

Food supplement specifically developed to support hydration and maintain electrolyte balance during periods of intense fluid loss or increased physiological need.



Form: 14 sachets
Dosage: 1 sachet daily in 200 ml of water

GLUTEN FREE | **LACTOSE FREE** | **HALAL CERTIFIED**

Up-cycled pack from agri-food by products

Key components



PunicaPLUS®, mediterranean pomegranate extract proprietary, with **antioxidant** properties



Mineral salts to promote rapid restoration of water homeostasis and proper muscular and cellular function

Its components contribute to:

- Maintenance of electrolyte balance
- Support normal energy-yielding metabolism
- Antioxidant action

Ingredients	For 1 sachet	%NRV*
PunicaPLUS® : pomegranate dry extract	150 mg	-
Sodium	220 mg	-
Potassium	150 mg	-
Magnesium	100 mg	26,7
Calcium	120 mg	15

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 sachet
Energy	kcal kJ	257 1082	10,80 45,44
Fat	g	0,01	0
Carbohydrate of which - sugars	g g	62,2 0	2,61 0
Fiber of which - soluble	g g	1,80 1,76	0,08 0,074
Protein	g	0,8	0,03
Salt	g	11,9	0,5



Improve Magnesium

Daily supplement that combines highly bioavailable and well-tolerated magnesium with the antioxidant properties of proprietary mediterranean pomegranate extract. Formulated to support the body during periods of mental and physical fatigue, muscle tension, or increased nutritional requirements, it contributes to the maintenance of normal neuromuscular and psychological function.



Form: 20 sachets
Dosage: 1 or 2 sachets per day

GLUTEN FREE | **LACTOSE FREE** | **HALAL CERTIFIED**

Up-cycled pack from agri-food by products

Key components



PunicaPLUS®, mediterranean pomegranate extract proprietary, with **antioxidant** properties



Magnesium citrate, high bioavailability

Its components contribute to:

- Reduce physical and mental fatigue
- Normal functioning of muscles
- Energy-yielding metabolism and nervous system function

Ingredients	For 1 sachet	%NRV*
Magnesium (from magnesium citrate)	225 mg	60%
Vitamin C	80 mg	100%
Pomegranate (<i>Punica granatum</i> L.)	250 mg	-

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100g of product	For 1 sachet (3.8g)
Energy	kcal kJ	349 1474	13,262 56,012
Fat of which - saturated fats	g g	0,3 0,2	0,0114 0,0076
Carbohydrate of which - sugars	g g	83,6 2,3	3,1768 0,0874
Fiber of which: - soluble - insoluble	g g g	1,8 0,05 1,75	0,0684 0,0019 0,0665
Protein	g	2,18	0,08
Salt	g	0,03	0,001



Improve Energy

The food supplement with a scientifically proven formula based on the proprietary pomegranate extract PunicaPlus. With antioxidant action, vitamin B-group and vitamin C, is designed to restore energy with a prolonged effect.



Form: 20 sachets
Dosage: 1 or 2 sachets per day

GLUTEN FREE | **LACTOSE FREE** | **halal italia** **HALAL CERTIFIED**

Up-cycled pack from agri-food by products

Key components



PunicaPLUS®, mediterranean pomegranate extract proprietary, with **antioxidant** properties



B-group vitamins



Vitamin C

Its components contribute to:

- Reduction of tiredness and fatigue
- Normal function of the immune system
- Normal energy-yielding metabolism

Ingredients	For 1 sachet	%NRV*
MNS-24 complex: Punica Plus Pomegranate extract	500 mg	-
Vitamin C	200 mg	250
Niacin	16 mg	100
Vitamin B2	7 mg	500
Pantothenic acid	6 mg	100
Vitamin B1	5,5 mg	500
Vitamin B6	4 mg	286
Folic acid	200 µg	100
Biotin	50 µg	100
Vitamin B12	12,5 µg	500

*Nutrient Reference Values as per EU Reg. N° 1169/2011



Significant improvement of quality of life in physical and mental health, after one month supplementation:

- Fatigue reduction by **-31%** (FAS and FSS Score)¹
- Improvement of fatigue symptoms by **41%** even after food supplement discontinuation².

¹Esposito C., Santarcangelo C. et al. Chemical Characterization and Preliminary Evaluation of the Efficacy and Tolerability of a Food Supplement Based on Pomegranate Extract, B Vitamins, and Vitamin C against Prolonged Fatigue in Healthy Consumers. Processes 2022,10, 208; <https://doi.org/10.3390/pr10020208>

²Ullah, H. et al. Combination of Chemically Characterized Pomegranate Extract and Hydrophilic Vitamins against Prolonged Fatigue: A Monocentric, Randomized, Double-Blind, Placebo-Controlled Clinical Trial. Nutrients 2023, 15, 2883. <https://doi.org/10.3390/nu15132883>

Nutrients		Per 100g of product	For 1 sachet (3.5g)
Energy	kcal kJ	374 1586	13,09 55,51
Fat	g	< 0,01	<0,01
Carbohydrate of which - sugars	g g	89,8 15,4	3,143 0,539
Fiber	g	0,9	0,0315
Protein	g	3,3	0,1155
Salt	g	0,12	0,0042



Improve Vitamin D

Vitamin D3 in extra virgin olive oil (EVO) and medium-chain triglycerides (MCTs) from coconut oil, designed for optimal absorption.



Form:
21 ml bottle

Dosage: 3 drops (kids)
0,5 ml dose (adult)



**GLUTEN
FREE**

**LACTOSE
FREE**



**HALAL
CERTIFIED**



Up-cycled pack from
agri-food by products

Key components



**Extra
Virgin Oil**



Vitamin D3

Its components contribute to:

- Supports immune function
- Aids calcium and phosphorus absorption
- Contributes to the maintenance of normal bones and supports children's bone development

Ingredients	Per 3-drop serving (child)	%NRV per 3 drops*	Per 0.5 ml serving (adult)	%NRV per 0.5 ml*
Vitamin D	9,38 µg (375 IU)	188	50 µg (2000 IU)	1000

*Nutrient Reference Values as per EU Reg. N° 1169/2011

Nutrients		Per 100 g	Per 1 drop	Per 3 drops (child)	Per 0,5 mL (adult)
Energy	kcal kJ	877 3606	0,26 1,08	0,78 3,24	4,4 18,03
Fat of which - saturated fats	g g	97,19 55,4	0,3 0,2	0,09 0,06	0,5 0,3
Carbohydrate of which - sugars	g g	0,109 <0,097	0,00003 <0,00003	0,00009 <0,00009	0,0005 <0,0005
Fiber	g	<0,10g	<0,00003	<0,00009	<0,0005
Protein	g	0,638	0,0002	0,0006	0,003
Salt	g	0	0	0	0

Samex

Sleep supplement that combines SAME and melatonin, helps regulate the sleep-wake cycle by promoting faster sleep onset, supporting a more restful night's sleep, and contributing to a balanced mood.


Form:

24 gastro-resistant tablets

Dosage: 1 tablet per day with a generous sip of water

**GLUTEN
FREE**



Up-cycled pack from agri-food by products

Key components



Same



Melatonin

Its components contribute to:

→ Reduces the time needed to fall asleep

Ingredients	1 tablet
S-adenosil-L-methionine (SAM-e ion)	200 mg
Melatonin	1 mg

S-adenosyl-L-Methionine – A natural amino acid involved in numerous and important biochemical processes in our body. It is essential for the biosynthesis of neurotransmitters, including serotonin, and other functional molecules such as glutathione (a liver protector).

Melatonin - Hormone produced by our body. Regulates the sleep-wake cycle. Reduces the time needed to fall asleep.

Brumex®

Extracted from mediterranean bergamot,
titrated and standardized in flavonoids.

COMPOSITION (HPLC ASSAY)	W/W%
Neoesperidin, Neoeriocitrin, Naringin, Brutieridin and Melitidin	≥ 40
Brutieridin and Melitidin	≥ 5

Core ingredient of Esserre supplements Redulen Cholesterol® and Colber®.

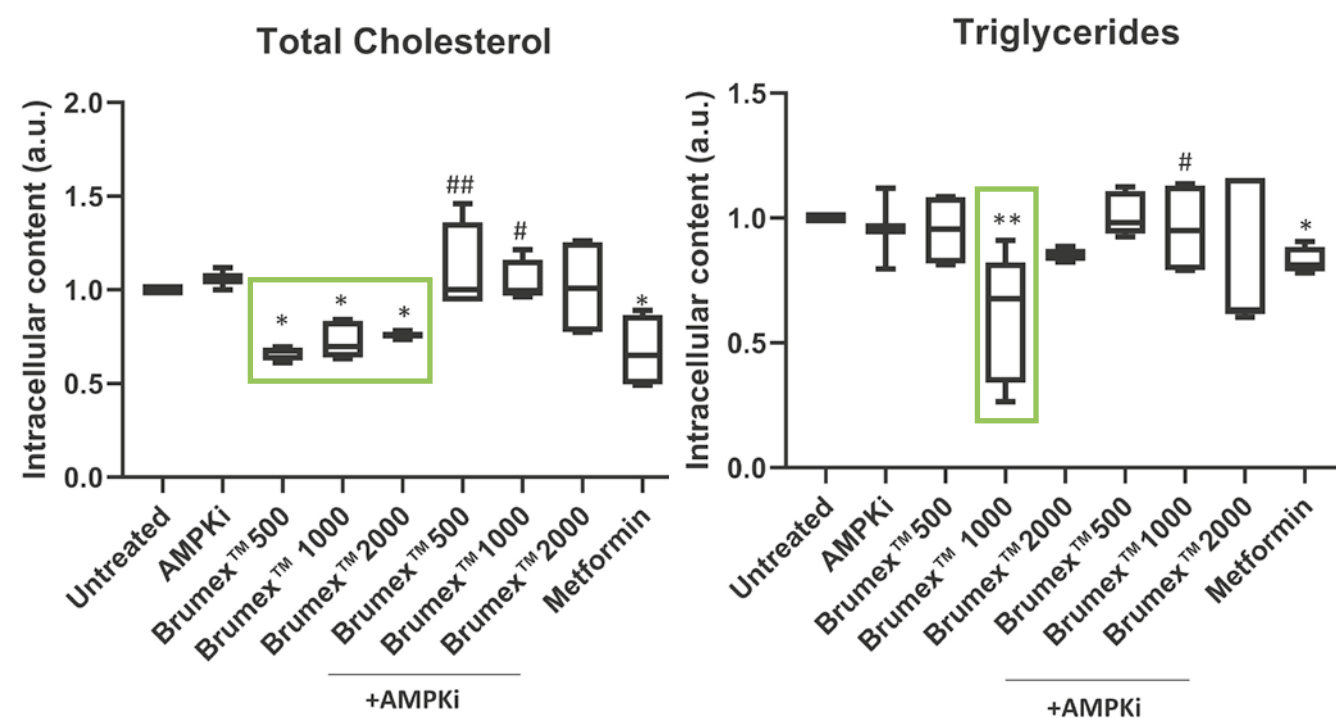


PRECLINICAL AND CLINICAL STUDIES¹

- Clinical study randomized, double blind, Brumex vs Placebo
- 50 patients with mild/moderate hypercholesterolemia (LDL-c 115-190 mg/dL) 400 mg of Brumex™ + diet + mild physical activity
- 12 weeks

Aims of the clinical trial:

1. Reduction of intracellular fats



- Total cholesterol (tot-c): **-7.8%**
- Low-density lipoprotein-cholesterol (LDL-c): **-7.6%**
- Non-high-density lipoprotein-cholesterol (non-HDL-c): **-12.4%**

→ Brumex™ increases high-density lipoprotein-cholesterol (HDL-c) of 4.8

1. Pierdomenico M., A.F.G. Cicero, M. Veronesi, F. Fogacci, C. Riccioni & B. Benassi, Effect of Citrus bergamia extract on lipid profile: A combined in vitro and human study, Phytotherapy Research 2023, 37(9): 4185-4195. DOI: 10.1002/ptr.7897

Lemotrin™

Extracted from mediterranean lemon, titrated and standardized in flavonoids.



Flavonoids complex:

- Total flavonoids $\geq 30\%$
- Anthocyanins $\geq 1\%$

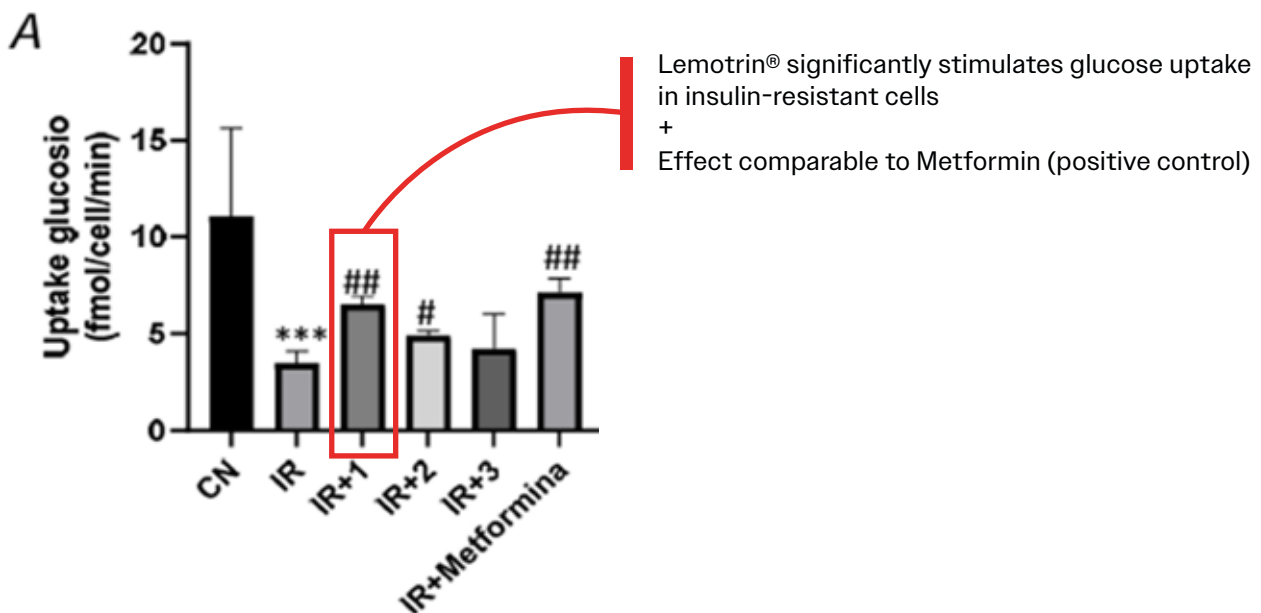
Core ingredient of Esserre supplement Redulen Glicemia®.

IN VITRO STUDY ABOUT AN INSULINE RESISTENCE MODEL

- Study on hepatocellular carcinoma cells (HepG2)
- Citotoxicity testing
- Lemotrin™ vs flavonoids mix

Aims of the clinica trial:

1. Evaluating of glucose uptake and intracellular levels of glycogen
2. Genic and pprotein expression of IRS-1 and GLUT-2/SLCA2 and pro-inflammatory cytokins



- Increase of glucose uptake and intracellular glycogen content in an insulin-resistant HepG2 cell model
- Effect comparable to Metformin
- Increase of gene expression of IRS1 and reduces the gene expression of IL6 and TNF α , which are pro-inflammatory markers

Nopalis™

Extracted from sicilian prickly pear.

Core ingredient of Esserre supplements such as Redulen Cholesterol® and Flomel Gel Cream®

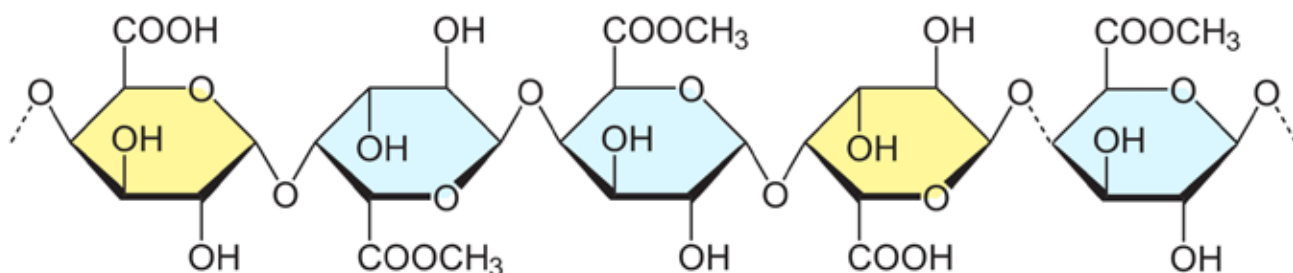
Approved claim for prickly pear says:

body weight balance, modulation/limitation of nutrient absorption.

The health benefits are attributed both to seeds and fruits, but particularly to the cladodes → rich in carbohydrates and polymers made up of a mixture of mucilage and pectin.

Mucilages are viscous fibers that create a gel by absorbing water.

The typical characteristic of these fibers is **the binding effect** they have on cholesterol."



PunicaPLUS®

PunicaPLUS® is a molecular complex rich in polyphenols such as Punicalagin A, Punicalagin B, Ellagic acid and its derivatives, extracted from the whole fruit of the Mediterranean Pomegranate (*Punica Granatum* L.) with antioxidant properties that help to enhance the immune system.



Description

Contains **19 bioactive compounds**:
 ≥ 15% punicalagins
 ≥ 0.7% anthocyanins

→ **Optimal dosage**: 500 mg/day
 → **Prebiotic effect**

Polyphenols	Properties
• Punicalagin A • Punicalagin B • Ellagic acid and derivatives	• Antioxidant • Anti-inflammatory • Immunomodulatory • Antiviral

Molecules. 2020 14;25(20):4690 - Processes 2022, 10(2), 208

PunicaPLUS™: evidence from the pre-clinical study

• Study Information:

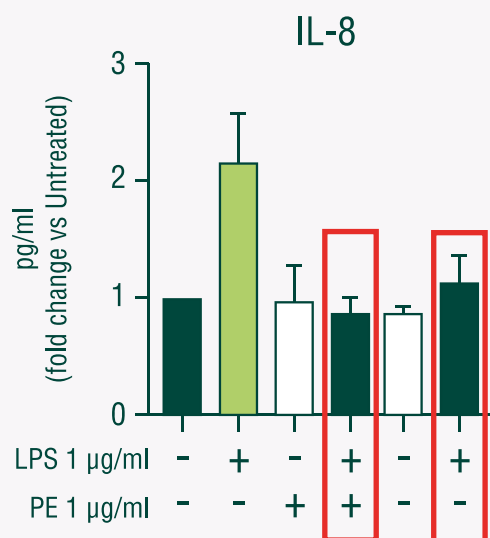
Preclinical study on hepatocarcinoma cells (HepG2) treated with lipopolysaccharides (LPS)
 Treatment with PunicaPLUS®

• Objectives:

Assess the **anti-inflammatory function** of the pomegranate extract.
 Determine the concentration that does not cause **cytotoxicity** in HepG2 cells (*in vitro*)

• Results on Anti-Inflammatory Effect:

Significant reduction in the release of IL-8, IL-1β and TNF-α, also at the genetic level Useful for improving liver inflammation Anti-inflammatory



PunicaPLUS® significantly reduces the release of pro-inflammatory cytokines compared to LPS-treated cells

PunicaPLUS®

1. REAL-LIFE STUDY

Chemical characterization and preliminary evaluation of the efficacy and tolerability of a food supplement based on pomegranate extract, B vitamins and vitamin C against prolonged fatigue in healthy consumers¹.

→ 1 month supplementation – 78 subjects assessed with Fatigue Assessment Score (FAS), Fatigue Severity Score (FSS) and 11-point Numeric Rating Scales (NRS)

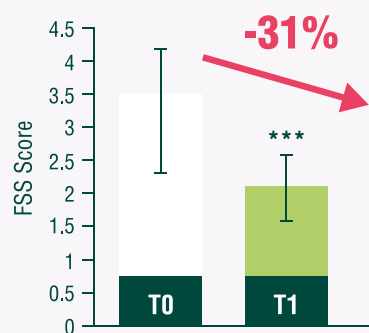
→ Fatigue reduction by -31%

Fatigue assessment scale (FAS)



*** P-value <0,0001

Fatigue severity scale (FSS)



Significant improvement of Quality of Life in Physical and Mental Health, after one month of supplementation

- Feeling of fatigue/fatigue = 22 < FAS < 34
- Feeling of fatigue/fatigue = FSS < 5

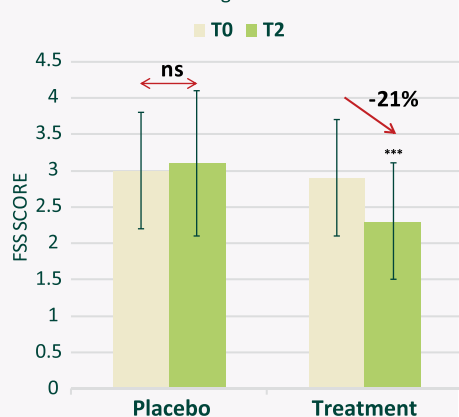
2. RANDOMIZED, PLACEBO-CONTROLLED CLINICAL TRIAL

Characterized pomegranate extract and hydrophilic vitamins against prolonged fatigue: a monocentric, randomized, double-blind, placebo-controlled clinical trial².

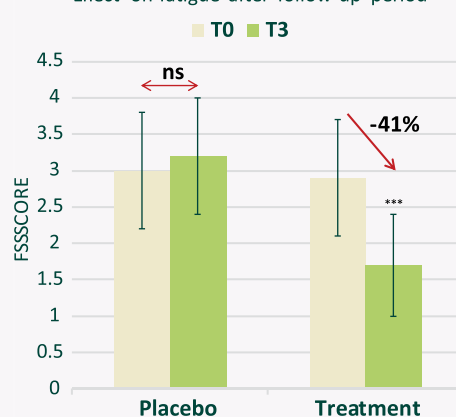
→ 2 months supplementation - 58 subjects assessed with Fatigue severity scale questionnaire

Fatigue severity questionnaire score decreases in a highly significant way: between T0 and T1 by -17% and between T2 and T3 by -26%

Effect on fatigue after 2 months



Effect on fatigue after follow-up period



2 months of supplementation resulted in a significant reduction of fatigue by 21%. Improvement on fatigue symptoms by 41% even after the discontinuation of the food supplement.

Statistical significance between placebo and treated group at T2 and T3 (***p < 0.001).

No effect was highlighted in the placebo group either during or after the treatment period.

Key notes: The gut microbiota plays a role in prolonged and chronic fatigue. The high content of ellagitannins in our proprietary pomegranate extract (PunicaPLUS™) can reshape the gut microbiota by increasing eubiotic bacteria (Lactobacillaceae), likely through urolithins generated from the metabolism of polyphenolic components of pomegranate as demonstrated by in-vitro studies.

1. Esposito C., Santarcangelo C. et al. Chemical Characterization and Preliminary Evaluation of the Efficacy and Tolerability of a Food Supplement Based on Pomegranate Extract, B Vitamins, and Vitamin C against Prolonged Fatigue in Healthy Consumers. *Processes* 2022,10, 208; <https://doi.org/10.3390/pr10020208>
 2. Ullah, H. et al. Combination of Chemically Characterized Pomegranate Extract and Hydrophilic Vitamins against Prolonged Fatigue: A Monocentric, Randomized, Double-Blind, Placebo-Controlled Clinical Trial. *Nutrients* 2023, 15, 2883. <https://doi.org/10.3390/nu15132883>

MNS™ Carob Protein

Is a natural plant-based protein, extracted from the carob seed through a 100% chemical-free production process. It is a light-yellowish free flowing powder, suitable for gluten-free meals, plant-based diets, energy bars, bakery products, vegan applications and more.

This extract is a high protein food source in nutritional products such as protein bars, which also has emulsifying power, ideal for dairy alternatives.

Suitable for gluten-free, plant-based diets, plus meat and meat analogue applications, it delivers a high fiber intake in nutritional products.

The carob pod, the complete fruit of the carob tree, is harvested once a year at the end of summer. On average, each pod contains ten seeds, which are separated from the pulp using a mechanical process.

The carob seed undergoes a thermo-mechanical dehusking process that is entirely chemical-free. Following this, the endosperm is gently separated from the germ (protein) and the episperm (fiber) through moderate crushing.

Our high-quality carob protein is crafted with care to preserve the seed's natural integrity and nutritional value.



Daily dosage

10g - 20g

MNS™ Grape

Grape extract (*Vitis vinifera* L.) rich in anthocyanins contributes to microcirculation.

A traditional climbing plant from the Mediterranean basin, a natural source of anthocyanins, powerful antioxidant compounds. *Vitis vinifera* extract supports the functionality of the microcirculation, reducing swelling and heaviness in the lower limbs, and protects the cardiovascular system thanks to its anti-radical action.

Anthocyanins can play a crucial role in vein and capillary health; consequently, they would seem to facilitate microcirculation and, therefore, would help counteract the consequences of suboptimal microcirculation (varicose veins, cellulite, water retention).



Grape extract	Daily dosage
7% Anthocyanins	50 mg – 150 mg

MNS™ Liquorice

Liquorice (Glycyrrhiza glabra L.) is a perennial plant belonging to the Rutaceae family, also native to the Mediterranean region.

In ancient Greece and Rome, licorice root was commonly used as a remedy for coughs and colds. Theophrastus suggested its use to combat mouth ulcers and throat discomfort.

Licorice's root contains 4-20% triterpene saponins, especially glycyrrhizin, which is the calcium, or potassium salt of glycyrrhizic acid.

The dry liquorice extract contains between 2 and 15% 18--glycyrrhizic acid. It contains over **300 phenolic compounds** (licoritin, liquiritigenin, isoliquiritigenin etc.).



Glycyrrhizin compound properties:

- Immuno-modulatory
- Antiviral
- Expectorants
- Anti-inflammatory hyperglycemic peaks

Liquorice extract	Daily dosage
3-6% glycyrrhizic acid	75 mg – 150 mg

The mediterranean nature for respiratory tract, throat well-being and immune function

The innovative Cough & Cold line consists of **15 formulations** designed to address specific needs including:

KEY FEATURES:

- **Formulations:** based on mediterranean extracts titrated in active components synergistically combined with other traditionally used ingredients



- **Scientific support:** backed by scientific literature, proprietary evidence and EFSA claims
- **Target consumer:** for adults and kids

Versatile forms: sachets, gummies, hard candies, syrups, spray and tablets

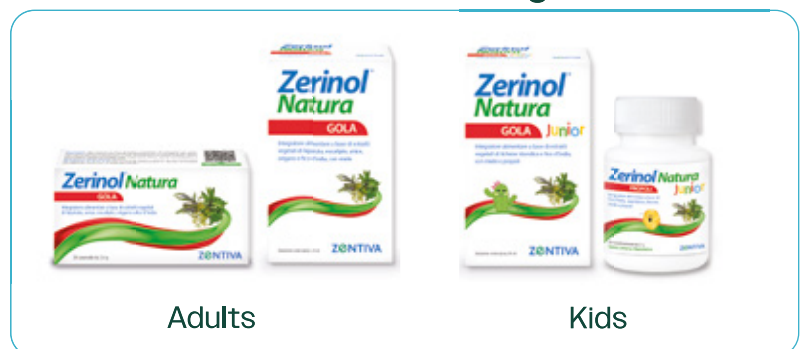
Cold & Flu



Dry & Wet Cough



Throat well-being



Immunity & Energy





Mediterranean nutrients, for life.

YOUR PARTNER

Responsive - Flexible - Disruptive

— Competitive advantages:

- A **unique portfolio** promoting **healthy aging** and **longevity**
- A flexible business model based on **out-licensing** and **supply** of **proprietary Mediterranean extracts** and **formulas**
- Access to our **nutraceutical dossier** containing all the information for registering worldwide the products
- A **proven track record** of creating value with our partners:
20+ Countries where our products are approved and marketed,
2 mln + boxes sold across Europe.





We sustain Mediterranean principles

Mediterranean lifestyle is a real philosophy that embraces spirit, people, culinary culture, history.

A nature made of sharing,
inclusiveness and vitality.
In one word: well-being.

This is what we call
#mediterraneanness

BY **esserre**