

meso.prof



**transepidermal solutions
by mesoestetic®**



solutions and active ingredients
for transepidermal application

mesoestetic®

meso.prof



meso.prof is the most complete range of solutions and active ingredients specific for transepidermal application for the purpose of treating all types of facial, body and hair aesthetic concerns. The **meso.prof** range comprises two lines: **c.prof** and **x.prof**.

effective

meso.prof formulas contain high concentrations of high-quality active ingredients that ensure a high therapeutic response level.

sterile devices

mesoestetic® is pioneering in its use of vials and ampoules.

pharmaceutical rigour

meso.prof products are manufactured following pharmaceutical quality standards.

versatile - multiple techniques

The professional can choose among the different cocktails and active ingredients to design an all-in-one customised solution. Range in full synergy with devices and systems for transepidermal penetration: roller, microneedling, electroporation, iontophoresis, ultrasounds, cavitation, IR thermal therapy...

microneedling

The microneedling technique increases significantly transepidermal penetration of active ingredients.

m.pen^[pro] is the device indicated for performing treatments in combination with **meso.prof** solutions. An effective, fast, safe device which allows regulating depth (from 0.25 mm to 2.5 mm) and micropuncture speed for adjusting to each treatment (facial, body or capillary). Indicated for all types of skin. With clinically proven efficacy.





c.prof

cocktails of active ingredients for treating
specific aesthetic concerns

c.prof is an exclusive line of active ingredient cocktails that provide effective solutions for the main facial, body and capillary aesthetic concerns. The high variety of active ingredients included in its formula promote the natural events of cell repair, while reducing skin tissue disorders. Its pH is within the physiological pH range, thus ensuring an optimum skin tolerance level.

Each **c.prof** vial contains the amount of active ingredients necessary for an individual session and to ensure an optimum outcome during the treatment process.



facial



body



capillary

c.prof 210 depigmentation solution

Depigmenting action

Melanogenesis consists of the production of melanin inside melanocytes, with several triggering factors in this process (sun radiation, genetic predisposition, hormonal changes, inflammatory changes...). Once synthesised, the melanin formed is transferred through the melanocyte dendrites to epidermal cells and continues rising to the upper skin layers where it finally gets dark. Excessive accumulation of melanin in the skin surface ultimately results in the formation of visible spots.

c.prof 210 depigmentation solution is a powerful combination of active ingredients with corrective action of pigment disorders and anti-oxidant. It acts regulating melanin production and removing the melanin present in epidermal cells, responsible for visible pigmentation. It also contains anti-oxidant agents that regulate melanin overproduction.



ACTIVE INGREDIENTS

Tranexamic acid. Inhibits the release of melanocyte stimulating factors and factors triggering the inflammatory and vascular process: prostaglandins (PG) and endothelin-1 (ET-1).

N-acetyl glucosamine. Inhibits tyrosinase action.

Vitamin C. Anti-oxidant and brightener.

Idebenone. Inhibits melanin synthesis by reducing tyrosine oxidative process.

INDICATIONS

Treatment of moderate hyperpigmentation (solar or senile lentigo) or PIH (post-inflammatory hyperpigmentation) in fair and medium phototypes (I-III). Evens out skin tone. Provides brightness and vitality.

melanogenesis process

Each of the active ingredients of **c.prof 210 depigmentation solution** acts in different stages of the melanogenesis process. Prior to activation of the melanocyte (tranexamic acid), during the synthesis of melanin (N-acetyl glucosamine + idebenone) and after formation of melanin (vitamin C).

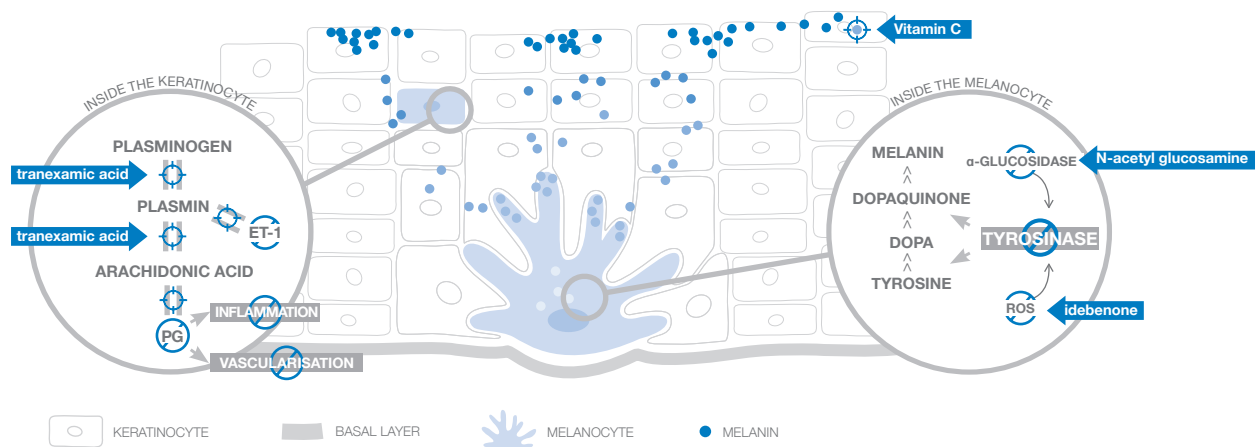


Fig. 1 Action of c.prof depigmentation solution during the melanogenesis process.

c.prof 211 photoaging solution

Anti-aging action with flash effect

Photoaging is a process induced by continuous exposure to ultraviolet light. It includes molecular and structural damages in the skin, such as: formation of free radicals, reduction of collagen synthesis, elastin breakdown, thickening of the epidermis...

c.prof 211 photoaging solution counteracts the signs of skin aging thanks to its photoprotective, anti-oxidant, moisturising and firming action. It protects the skin from environmental aggressions and other factors such as stress, tiredness, smoking, pollution...



pH 5.5 - 7.0

5 ml x 5

ACTIVE INGREDIENTS

Idebenone. Photoprotective and anti-free radical properties.

Vitamin C. Stimulates collagen synthesis and achieves anti-wrinkle effect.

Hyaluronic acid. Highly moisturising.

Taurine. Anti-oxidant, moisturising and cell DNA protection properties.

INDICATIONS

Treatment of fine wrinkles. Counteracts the loss of tonicity and provides brightness.

c.prof 213 mesotox solution

Reducing and preventive action in wrinkles

There are three basic proteins forming the structure of the skin, fibrin, elastin and collagen. When these are damaged, expression lines appear, as a result of the natural contraction of facial muscles. Several factors make more visible this type of skin aging, such as the passage of time, sun exposure, lifestyle and other environmental or extrinsic factors.

c.prof 213 mesotox solution acts dually on expression lines, reducing the existing ones and preventing the appearance of new ones. Its unique combination of synergistic peptides works in the inhibition of the skin microcontractions that cause this type of wrinkles.



new



pH 6.0 - 7.0

5 ml x 5

ACTIVE INGREDIENTS

Acetyl Hexapeptide-8. Regulates and reduces the contraction of dynamic wrinkles.

Niacinamide. Stimulates collagen synthesis, enhancing re-densification.

Pentapeptide-18. Inhibits skin micro-contractions. Prevents the formation of lines and wrinkles.

INDICATIONS

Treatment of expression lines, particularly those located on the forehead and eye contour. Also used as enhancer of botulinum toxin effectiveness.

c.prof 213
mesotox solution

Reducing and preventive action in wrinkles

Synergistic peptides

The synergistic peptides of **c.prof 213 mesotox solution** work jointly to provide a higher efficacy degree than when a single peptide is administered, even at double concentration.

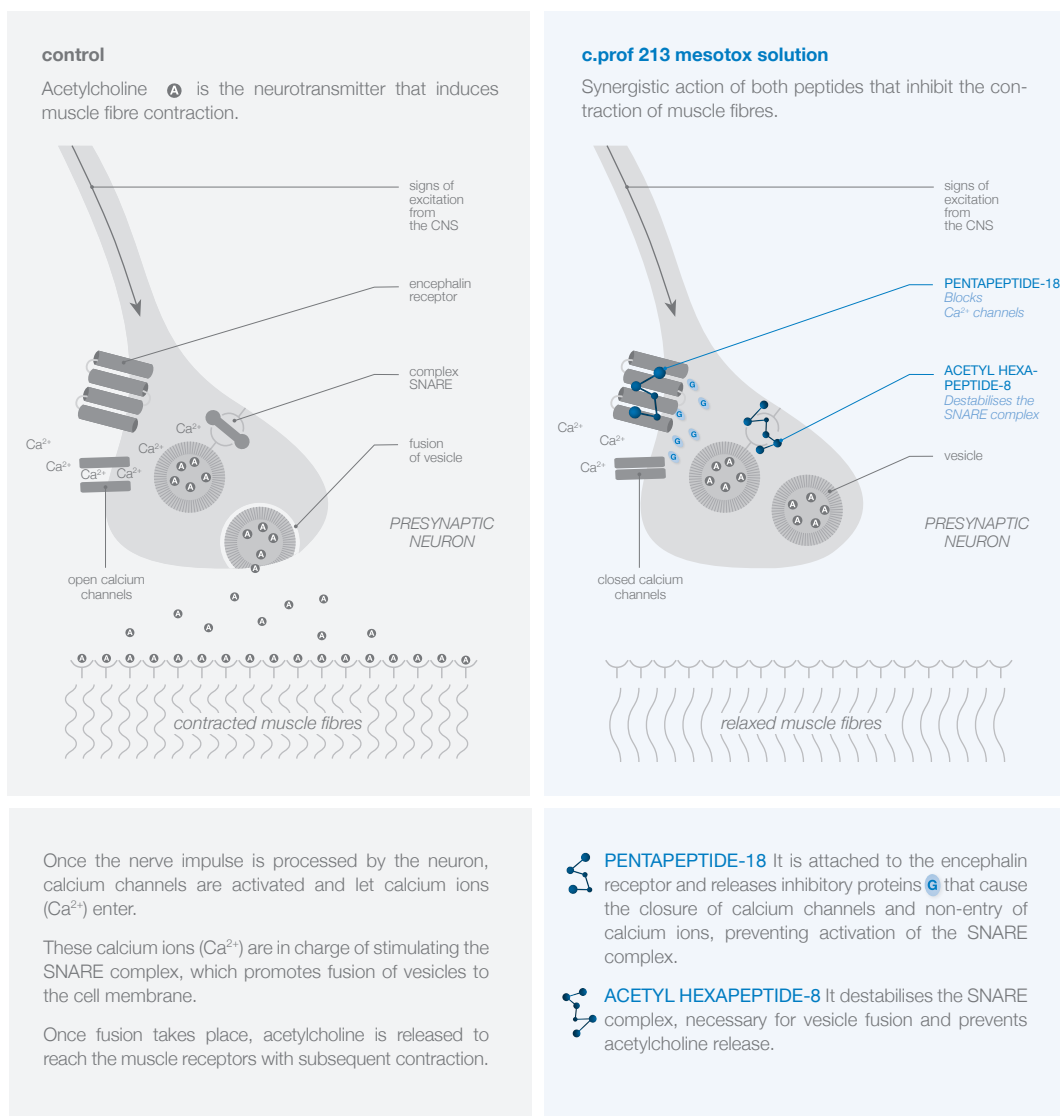


Fig. 2 Neuromuscular junction (control) and scheme of the biochemical mechanism of the peptides Acetyl Hexapeptide-8 and Pentapeptide-18 during neuronal exocytosis (c.prof 213 mesotox solution).

c.prof 214 mesopeptide solution

Redensifying action with lifting effect

The loss of facial elasticity and firmness is the result of the weakening of the structure of supporting tissues, collagen and elastin. There are several causes, one of the most common being chronological aging, as proteins that maintain the skin firm and adhered to the muscles loses tonicity over time.

c.prof 214 mesopeptide solution enhances redensification of the dermis thanks to the inclusion of last-generation biomimetic peptides. Improves the firmness and structure of the cellular matrix.



ACTIVE INGREDIENTS

Palmitoyl Tripeptide-5. Stimulates collagen synthesis. Removes wrinkles. Tightens and moisturises the skin.

Hyaluronic acid. Highly moisturising.

Acetyl Tetrapeptide-9. Improves skin tissues stimulating Lumican, and achieves optimum, functional arrangement

of collagen fibres. Increases the density of the dermis and improves skin firmness.

INDICATIONS

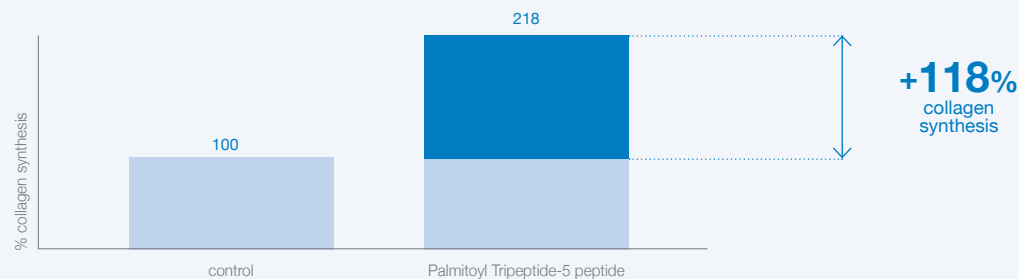
Treatment of thin, aged skins, loss of facial oval definition and facial flaccidity.

biomimetic peptides

Biomimetic peptides enhance redensification of the dermis thanks to the collagen inducing activity and its improvement of fibril arrangement.

> Palmitoyl Tripeptide-5

The following study *in vitro*⁽¹⁾ shows the increase in collagen synthesis after 48 hours following supply of the peptide Palmitoyl Tripeptide-5:



> Acetyl Tetrapeptide-9

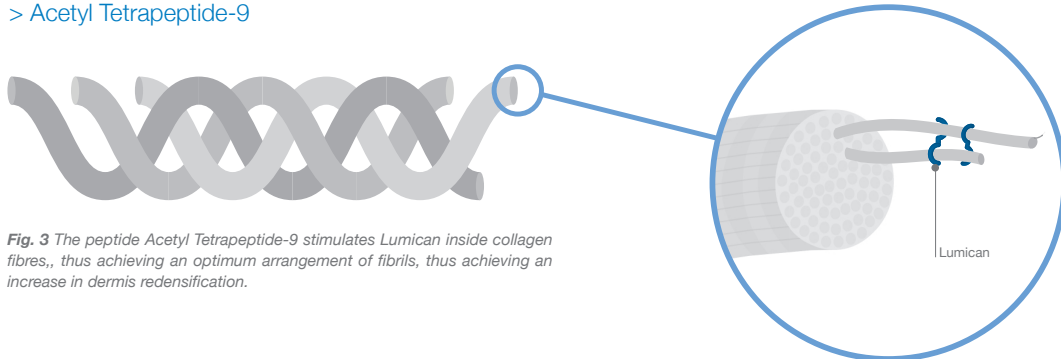


Fig. 3 The peptide Acetyl Tetrapeptide-9 stimulates Lumican inside collagen fibres., thus achieving an optimum arrangement of fibrils, thus achieving an increase in dermis redensification.

⁽¹⁾ Study *in vitro* performed with fibroblasts in culture at the Biotechnology Unit of mesoestetic Pharma Group S.L., where collagen synthesis has been studied.

c.prof 220 draining solution

Draining action with decongestant effect

There are several causes that can result in lymphatic system disorders, such as stress, lack of physical activity, poor diet, use of some drugs, genetic factors... These factors cause an increase in fluid retention, making difficult circulation and resulting in lymph fluid building up, accumulation of toxins, appearance of cellulite, feeling of heaviness...

c.prof 220 draining solution provide a draining, decongestant and venotonic effect. It also has anti-oxidant and firming properties.



pH 6.6 - 7.4

10 ml x 5

ACTIVE INGREDIENTS

Mellilot. Anti-inflammatory, anti-oedema and diuretic properties.

Rutin. Venotonic and capillary permeability reduction properties.

Ginkgo biloba. Microcirculation stimulation, toning and anti-oxidant effects.

Aescin. Vasoconstrictive, anti-oedema and venotonic properties.

INDICATIONS

Circulatory disorders and fluid retention. Within the framework of a full treatment of silhouette concerns, it is recommended to use it as draining stage before another lipolytic stage.

c.prof 221 lipolytic solution

Fat mobilising action

The hypodermis is formed by multiple adipocytes, in which a number of nourishing fluids circulate that support the skin. In some cases, adipocytes increase in excess their size, which prevents an adequate drainage. As a result of this, intercellular fluids acquire a thick consistency and the microcirculatory system does not work adequately, resulting in cellulite.

c.prof 221 lipolytic solution acts on multiple enzymes and receptors of lipolysis to reduce adipocyte size and number, in addition to enhancing the transport of fatty acids to the inside of mitochondria and subsequent oxidation.



pH 6.6 - 7.4

10 ml x 5

ACTIVE INGREDIENTS

Artichoke extract. Diuretic properties.

Organic silicon. Activates lipase by regulating phosphodiesterase and increases AMPC levels.

Theophylline. Acts blocking the adipocyte membrane receptor A1, increasing triglyceride hydrolysis.

L-carnitine. Lipolytic action.

INDICATIONS

Within the framework of a full treatment of silhouette concerns, it is recommended as reducing stage after the draining stage.

c.prof 222 body firming solution

Body firming action

Body flaccidity is a disorder characterised by loss of turgor, elasticity and tone, clearly noticeable on palpation. There are several causes, such as slowing down of the collagen renewal cycle, reduction of the adipose panicle or supporting tissue weakness as a result of a sudden weight loss, pregnancy...

c.prof 222 body firming solution provides a skin trophic, firming and stimulating effect of connective fibre synthesis.



pH 6.6 - 7.4

10 ml x 5

ACTIVE INGREDIENTS

Hydroxyproline. Firming and tightener. Reinforces collagen structure.

Organic silicon. Stimulates fibroblast proliferation.

DMAE. It has firming properties with immediate lifting effect.

Sodium pyruvate. Enhances amino acid synthesis and collagen regeneration.

INDICATIONS

Within the framework of a full treatment of silhouette concerns, it is recommended to use it as final treatment stage after reducing the volume of the area treated.

c.prof 223 skinmark solution

Restructuring action for skin lesions

Distension stretchmarks reflect a breakage occurring in the dermis connective tissue and shown externally as skin atrophy. They are usually located in growth areas (hips, flanks or periumbilical area), as well as those with a marked hormonal influence (breasts and thighs). They may be also related to the long-term use of topical corticoids.

c.prof 223 skinmark solution stimulates cell repair and re-structures the rupture of the protein network of the dermis. Provides hydration, elasticity and firmness to the skin.



new



pH 6.0 - 7.0

10 ml x 5

ACTIVE INGREDIENTS

X-DNA. Reactivation of cell mechanisms: repair and regeneration.

Organic silicon. Restructuring action.

Chlorella vulgaris extract. Increases collagen synthesis.

Darutoside. More regular tissue regeneration.

INDICATIONS

Prevention and reduction of stretchmarks. Also indicated for the treatment of post-acne scars.

c.prof 224 cellulishock solution

Cellulite reducing action

Cellulite or lipodystrophy is a connective tissue disorder that involves an abnormal accumulation of water and toxins in the subcutaneous tissue, which is caused by the slowing down of circulation, hypertrophy of adipose cells and, finally, hardening of adipose tissue. The most common triggering factors are hormonal changes, sedentariness, inadequate diet, genetics...

c.prof 224 cellulishock solution promotes the activation of the metabolism and breakdown of fatty acids, reducing adipocyte volume. It contains properties that increase vein tone and improve microcirculation.



ACTIVE INGREDIENTS

Caffeine. Activates the metabolism of fatty acids. Regulates lipogenesis and stimulates lipolysis.

Rutin. Reinforces the vessel wall. Reduces capillary permeability.

Capsaicin. Increases oxygen and nutrient supply to the adipose tissue, with subsequent fat tissue improvement.

Carnitine. Stimulates mobilisation and degradation of fatty acids.

INDICATIONS

Treatment of cells in all their forms and degrees of evolution and reduction of fat nodules.

c.prof 230 hair loss solution

Anti-hair loss and strengthening action

Hair loss occurs due to a progressive reduction of growth follicle cycles as a result of hormonal changes, stress, pregnancies or passage of time. In addition, hair can be damaged by external agents or by lifestyle, which results in an appearance of dehydration and lack of vitality. Stimulation of the hair follicle and increased blood flow help strengthen the root and prevent hair fall, achieving a more resistant hair.

c.prof 230 hair loss solution generates a powerful protective effect that stimulates the hair follicle. It stops hair aging, revitalising and strengthening hair, while improving microcirculation and providing nutrients to the follicle, thus reducing hair loss.



ACTIVE INGREDIENTS

Copper Tripeptide-1. Hair growth factor. Promotes vascularisation around the hair follicle and enriches it.

Vit-B complex (Dexpantenol and Biotin). Revitalises, conditions and moisturises the skin and hair.

Pyridoxine. Increases blood flow in the scalp.

Capsaicin. Increases blood flow in the hair follicles, stimulating hair growth. Prolongs the growth phase during transition from anagen to telogen.

INDICATIONS

Treatment of hair problems and fall or loss of density.



x.prof

active ingredients to design 100%
customised treatments

x.prof is a wide range of sterile active ingredients for medical-cosmetic use. With a prior diagnosis, the professional will evaluate the needs of each patient and will select the most appropriate formulas to be applied individually or to produce customised combinations. With **x.prof**, the expert has available the most effective, versatile tool to design 100% customised treatment programmes.



facial



body



capillary

x.prof 010 artichoke extract

Draining and detoxifying action

Cynara scolymus has lipolytic properties, as it enhances the synthesis of the co-enzymes NAD-NADH2 and NAP-NADPH2 involved in reducing anabolic processes and in the synthesis of fatty acids in adipose tissue and the liver. It also has a choleretic action, increasing the bile volume secreted, and acts on anti-toxic and glycogenic function of the liver, thanks to its main active ingredient, cynarine. It also acts on the kidney and metabolism of urea, enhancing increased diuresis.



pH 3.5 - 4.5

5 ml x 20

5 ml x 100

COMPOSITION

Purified extract of 2% cynara scolymus.

INDICATIONS

Excess weight. Localised adipose deposits. Cellulite in all its forms and degrees of evolution.

x.prof 011 caffeine

Lipolytic action

Caffeine is a chemical substance of the group of alkaloids of plant origin of the family of methylxanthines.

It promotes and is involved in the lipolysis process by inhibition of phosphodiesterase action, thus enhancing activation of cAMP (cyclic adenosine monophosphate), stimulation of lipase and increased mobilisation and metabolism of free fatty acids.



pH 6.5 - 7.5

2 ml x 20

2 ml x 100

COMPOSITION

20% caffeine.

INDICATIONS

Cellulite in all its forms and degrees of evolution. Reduction of localised fat nodules.

x.prof 012 L-carnitine

Metabolisation of fatty acids

During the lipolysis process, triglycerides break down into glycerol and fatty acids. These esterified fatty acids have a limited capacity for penetration to the mitochondrion, requiring a physiological carrier. This carrier is **L-carnitine**, thanks to which activated fatty acids are deviated to oxidation and are not used by the body in the neoformation of triglycerides, limiting cytoplasm bioavailability of activated fatty acids.

Its mechanism of action increases the efficacy of other products with lipolytic effect.



pH 6.0 - 8.0

5 ml x 20

5 ml x 100

COMPOSITION

20% L-carnitine.

INDICATIONS

Localised fat Cellulite. Lipodystrophy.

x.prof

x.prof 013 / x.prof 014 organic silicon

Regulates cell metabolism

Silicon is a metalloid present in the structure of water-soluble, biologically active mineral and organic compounds. It activates the intra-adipocyte action of cAMP, thus stimulating lipolysis and hydrolysis of triglycerides, without affecting cell metabolism. It is a structural element of the connective tissue, that is also part of macromolecules such as elastin, collagen, proteoglycans and structural glycoproteins. It acts as regulator and normaliser of cell metabolism and cell division.



COMPOSITION

0.5% organic silicon / 1% organic silicon.

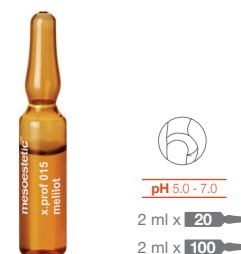
INDICATIONS

Devitalised skin. Aging. Stretchmarks. Cellulite. Flaccidity.

x.prof 015 melilot and rutin extract

Activates microcirculation

Melilot and rutin extract is venotonic and vasculoprotective and has lymphokinetic activity. Coumarin, the main active ingredient of melilot extract, has a high lymphatic trophic effect, reduces inflammatory conditions thanks to its action against active oxygen radicals and reduces capillary permeability by inhibition of leukotrienes by lipooxygenases. Rutin decreases histamine release reducing inflammatory conditions, capillary permeability and oedema. It produces a collagen synthesis increase in vascular walls and protects against free radicals. It increases circulatory debit and vascular neogenesis.



COMPOSITION

Melilot extract 200 mg, rutin 50 mg.

INDICATIONS

Cellulite with fluid retention. Circulatory disorders of venous and lymphatic origin.

x.prof 016 glycolic acid

Regenerating effect

Glycolic acid is an alpha-hydroxy acid obtained from sugar cane. The small size of its molecule gives it a high intercellular penetration. It acts inhibiting the cohesion of skin corneocytes, so it causes an increased skin hydration and flexibility.



COMPOSITION

1% glycolic acid.

INDICATIONS

Acne. Actinic keratoses. Fine wrinkles. Stretchmarks.

x.prof 017 / x.prof 018 mesostabyl

Stimulation of lipid degradation

Polyunsaturated phosphatidylcholine is a choline-based phospholipid made of 80% linoleic acid, 15% oleic acid, and 5% linolenic acid. Stimulates lipid breakdown, mobilisation and clearance. It activates lipases, reduces triglyceride synthesis and helps in fat solubility.

It also plays a significant role in lipid homoeostasis, as part of the lipoproteins that increase cholesterol transport and inhibit cholesterol accumulation in tissues.



COMPOSITION

Lipolytic solution containing phosphatidylcholine.

INDICATIONS

Fat accumulations. Xanthelasma. Cellulite.

x.prof 019 dexpanthenol

Treatment of alopecia

Dexpanthenol is a pantothenic acid derivative (organic acid), with a D-isomer of activity similar to that of vitamin B5, characterised by being a natural component of the healthy hair, as its deficiency induces a lack of brightness, loss of calibre, fragility and even fall. It is involved in multiple enzyme reactions in the metabolism of proteins, sugars and fats, as well as for the synthesis of hormones and cholesterol.

It has a high skin penetration capacity and a characteristic moisturising power.



COMPOSITION

20% dexpanthenol.

INDICATIONS

Alopecia (in particular of seborrhoeal nature).

x.prof 020 vitamin C

Anti-oxidant, brightening action

Vitamin C (ascorbic acid) is part of the group of anti-oxidant vitamins. It is the main non-enzyme, water-soluble anti-oxidant of the skin.

It plays a role that palliates the oxidative damage caused by ultraviolet radiation in epidermal cells, performing a bleaching action. Stimulates collagen synthesis, activating its regulator gene (transcriptional effect). It is also involved in the synthesis of significant elements of the extracellular matrix of the connective tissue, as well as in the activation of peptidic hormones and the catabolism of tyrosine.



COMPOSITION

20% vitamin C.

INDICATIONS

Protection against photoaging. Devitalised, opaque skin. Melasma. Hair loss due to seborrhoeal dermatitis.

x.prof

x.prof 021

DMAE

Tightening, firming effect

Dimethylamionethanol is a precursor of acetylcholine that acts as stabiliser and anti-oxidant of cell membrane, protecting it from organic stress. Acetylcholine, a neurotransmitter involved in the increase of muscle tone, returns turgor to the tissues subject to the aging process, counteracting flaccidity and sagging.

It increases moisture by reestablishing fibroblast function while improving tissue on a generalised basis causing a tightening and firming effect.



pH 4.0 - 6.0

5 ml x 20

COMPOSITION

3% DMAE.

INDICATIONS

Skin flaccidity. Lack of skin elasticity and flexibility.

x.prof 022

piruvex

Stimulation of collagen synthesis

Pyruvate is a physiological alpha-keto acid that is metabolically at the end of the glycolytic pathway and is transformed into lactate (alpha-hydroxy acid) by the action of lactate dehydrogenase.

Pyruvate increases the mitochondrial membrane potential, stimulating cell respiration and, therefore, increasing energy consumption, that results in increased metabolism. It stimulates fibroblastic activity and specifically collagen synthesis.



pH 6.0 - 7.0

2 ml x 20

COMPOSITION

1% pyruvate.

INDICATIONS

Skin aging with flaccidity. All types of alopecia. Cellulite (in association with lipolytic active ingredients). Stretchmarks.

x.prof 023

cosmeretin

Anti-aging effect

Retinol or **vitamin A** is a fat-soluble vitamin involved in the formation and maintenance of epithelial cells and in the development, protection and regulation of the skin and mucosal membranes.

It stimulates fibroblasts, inhibiting collagen breakdown, that enhances fibronectin neoangiogenesis.

It acts in the formation and maintenance of skin tissues and prevents formation of free radicals.



pH 4.0 - 5.5

2 ml x 20

COMPOSITION

0.001%. retinol.

INDICATIONS

Photoaging. Wrinkles. Stretchmarks.

x.prof 024 proteoplus

Anti-oxidant action

Proteoglycans/glycosaminoglicans, a family of which proteochondroitin sulphate is part, are the structural elements of the interstitial matrix components. Glycosaminoglicans are non-branched polysaccharide chains and it is estimated that they can absorb up to 50 cc. of water per gram of dry weight.

The main function of PG/GAGs is to maintain isoionia, isotonia and isosmia of the matrix, as well as participating in all metabolic and nutritional processes of the cell, causing a filtrating effect of all molecules reaching the matrix.

COMPOSITION

Binding protein + chondroitin 200 mg.

INDICATIONS

Photoaging. Anti-oxidant treatments.



pH 4.0 - 5.7

2 ml x 20

x.prof 025 hydrotaurin

Regulates energy metabolism

Taurine is a sulphur amino acid widely distributed in the human body, that fulfils significant metabolic functions and stabilises the cell membranes in electrically active tissues.

It acts as anti-oxidant as it plays a protective role against the damage caused by free radicals. It also has detoxifying properties, with a protective effect that reduces the damage of cell DNA.

COMPOSITION

2% taurine.

INDICATIONS

Dehydration (cytoprotection against environmental aggressions). Anti-oxidant treatments. Alopecia.



pH 7.0 - 7.5

2 ml x 20

x.prof 035 oligoelements

Stimulation of the extracellular matrix

Oligoelements are found in the body at a percentage of 0.01%, and are essential for the adequate performance of biological processes. They strengthen the body defences and help recover balance.

In addition to improving healing, zinc has a dual anti-oxidant effect. It stimulates metallothionein production, that protects against free radicals and helps displace other metals that can act as oxidants.

The three trace elements help regulate the performance of the pancreas.

COMPOSITION

Zinc, nickel, cobalt.

INDICATIONS

Anti-oxidant treatments. Obesity.



pH 4.0 - 5.2

5 ml x 20

x.prof

x.prof 036

biotin

Revitalising effect

Biotin, also known as vitamin H or B8, is involved in the metabolism of carbohydrates, fats, amino acids and purines as enzyme co-factor, in other words, it is necessary for the action of some enzymes essential in cell duplication processes.

Many metabolic processes occur in the hair root, which are very sensitive to any nutritional deficit, so the reduction in vitamin, mineral, or protein concentration can cause weakness, fragility and consequently hair loss. Biotin has a revitalising effect that, bound to trace elements, helps cells fulfil their metabolic functions, preventing hair loss.



pH 6.0 - 7.5

2 ml x 20

COMPOSITION

0.1% biotin.

INDICATIONS

Alopecia. Seborrhoeal dermatitis.

x.prof 037

ginkgo biloba

Vasoprotective, anti-inflammatory effect

The extract of **ginkgo biloba** leaf stimulates microcirculation thanks to its high flavonoid content. It has an important vasoprotective effect and eutrophic action on the connective tissue that promotes collagen synthesis in blood vessels and helps reduce capillary permeability.

It achieves a reduction of the oxidative stress induced on epidermal cells by ultraviolet radiation, similar to that obtained by beta-carotenes and vitamin E. It fulfils a lipolytic action mediated by hormone-sensitive lipase stimulus.



pH 3.5 - 5.5

2 ml x 20

COMPOSITION

4% ginkgo biloba.

INDICATIONS

Cellulite with vascular component. Lipodystrophy associated with microcirculation problems. Androgenic alopecia.

x.prof 038/ x.prof 039

venofresh

Venotonic action

Polyethylene glycol dodecil éter is a non-ionic surfactant that acts on the cell membrane by reducing permeability of sodium ions and, at high concentrations, also potassium ions.



pH 5.0 - 7.0

2 ml x 20

COMPOSITION

0.5% Laureth-9 / 2% Laureth-9.

INDICATIONS

Telangiectasias (vascular spiders). Cuperosis.

x.prof 040 centella asiatica

Tissue restorer

Centella asiatica extract is a combination of three substances of which asiticoside is the most important component. This component is a triterpenic heterocyclic saponin to which multiple properties are attributed.

It fulfils an action that stimulates collagen biosynthesis in the dermal fibroblasts and the connective tissue, helping improve cell trophism. It enhances restoration of skin integrity for its re-epithelisation and vasoprotective actions, increasing capillary resistance and acting as biostimulant.



pH 5.9 - 7.0

2 ml x 20

2 ml x 100

COMPOSITION

0.5% centella asiatica extract.

INDICATIONS

Damaged or irritated skin. Scars and stretchmarks. Fat accumulations (in association with lipolytic active ingredients).

x.prof 108 hyaluronic acid

Moisturising, anti-aging action

Hyaluronic acid is a natural polysaccharide that belongs to the group of glycosaminoglycans. It has the capacity of retaining thousand times its molecular weight in water, so it fulfils significant functions in the structure of the skin, providing moisture, volume and elasticity.

For its viscosity, it ensures cohesion of connective cells and slows down the natural aging processes, and is an activator of the fibroblastic function, collagen synthesis and several skin growth factors.



pH 6.0 - 8.0

5 ml x 1

5 ml x 5

COMPOSITION

3.5% hyaluronic acid.

INDICATIONS

Skin aging with presence of wrinkles and flaccidity. Volume loss. Dehydration.

x.prof 109 bioflash NCTC-109

Biorevitalisation

bioflash NCTC-109 provides the skin with a high variety of **essential micronutrients** that participate in physiological cell biochemical processes. Its composition stimulates vital cell functions enhancing the synthesis of proteins such as elastin or collagen.

Vitamins fulfil a trophic function stimulating skin repairing processes and anti-oxidant activity. **Amino acids** act as physiological elements that stimulate protein synthesis, enhancing skin tissue regeneration. **Minerals** reduce skin deficiencies. **Co-enzymes** help catalyse tissue biochemical reactions and activate cell communication.



pH 4.0 - 7.0

5 ml x 10

COMPOSITION

Vitamins, amino acids, mineral salts, co-enzymes.

INDICATIONS

Skin aging. Devitalised skin.

x.prof

x.prof 110

X-DNA

Re-structurer and anti-oxidant

X-DNA gel is a natural polymer with a high anti-oxidant and moisturising power that protects cell membranes from oxidative breakdown, allowing recovery of collagen proteins.

It fights collagen breakdown caused by sun rays, oxidative stress and smoking, providing firmness and structure to the skin.



pH 5.5 - 7.5

2,5 ml x 5

COMPOSITION

3% DNA gel.

INDICATIONS

Dehydrated, dry, opaque skin or with incipient ptosis. Facial aging. Cellulite (in association with lipolytic active ingredients).

x.prof 150

reductonidase

Diffusing agent

Hyaluronidase is a protein enzyme that modifies connective tissue permeability by hydrolysis of hyaluronic acid. It acts as a depolymeriser of glycosaminoglycans and as a diffusing agent.

Hyaluronidase hydrolyses hyaluronic acid separating the bond between the C1 of glucosamine molecule and the C4 of glucuronic acid. This mechanism reduces transiently the viscosity of the intercellular cement and promotes diffusion of the active ingredients.



pH 6.5 - 7.5

1.500 UI x 5

COMPOSITION

Hyaluronidase.

INDICATIONS

Restructuring of connective tissue or rebalancing of the skin affected by hydrolipodistrophy. Irregularities, asymmetries and/or oedema persisting after application of hyaluronic acid.

x.prof 151

glutathione

Normaliser of skin tone

Glutathione is one of the largest endogenous anti-oxidants produced by cells. Four main functions stand out: anti-melanogenic, anti-oxidant, detoxifier and reinforcer of the immune system. It shows an action that inhibits melanin synthesis thanks to its competitive action with L-DOPA in its binding to tyrosinase during melanin synthesis. Due to its strong anti-oxidant action, it acts directly in the neutralisation of free radicals and reactive oxygen compounds, as well as for maintaining exogenous anti-oxidants such as vitamins C and E. This action gives it a high detoxifying power of harmful endogenous substances.



pH 6.5 - 7.5

600 mg x 5

COMPOSITION

Glutathione.

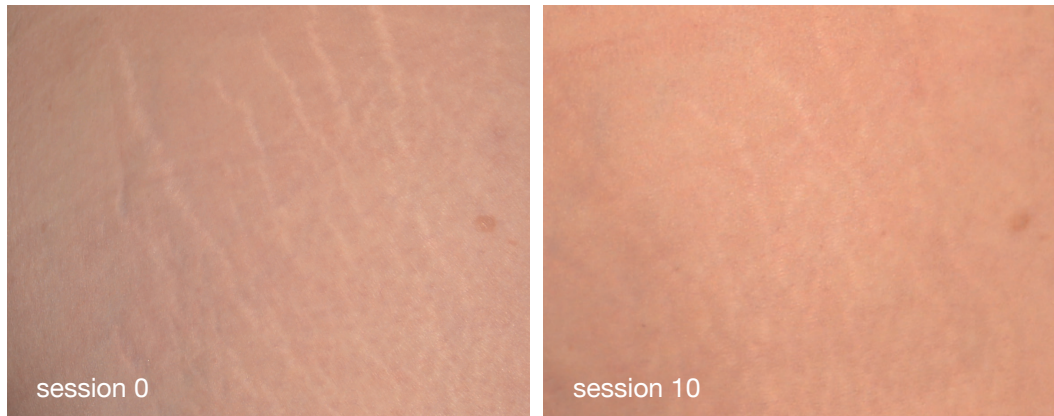
INDICATIONS

Hyperpigmentations. Skin aging. Lack of hydration.

Results of studies *in vivo*

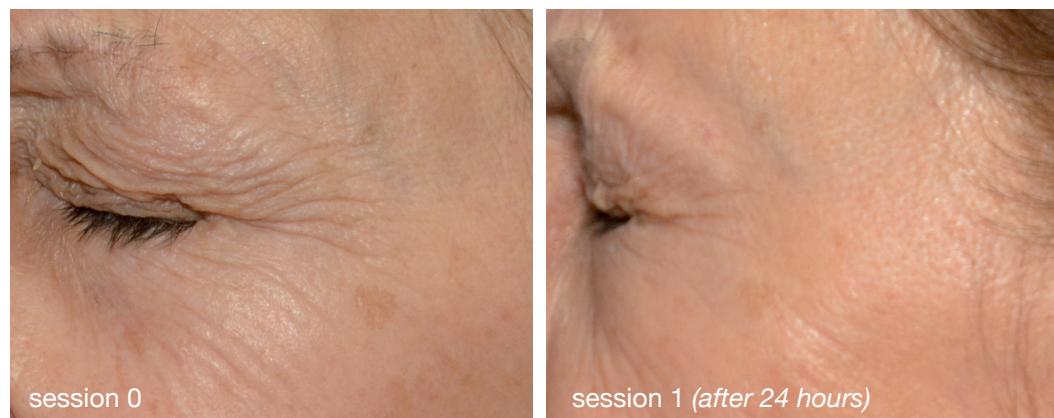
body treatment: stretchmarks

Treatment combined with **MCT injector**, **m.pen^[pro]** + **x.prof 013** / **x.prof 014** organic silicon, **x.prof 040** centella asiatica, **x.prof 022** piruvex, **x.prof 110** X-DNA, **x.prof 108** hyaluronic acid and **x.prof 023** cosmeretin.



facial treatment: wrinkles

m.pen^[pro] + **c.prof 213** mesotox solution

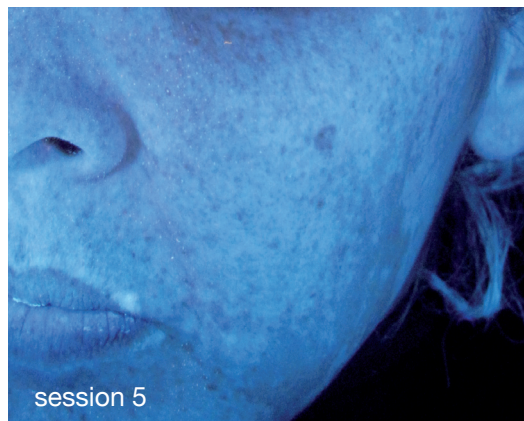
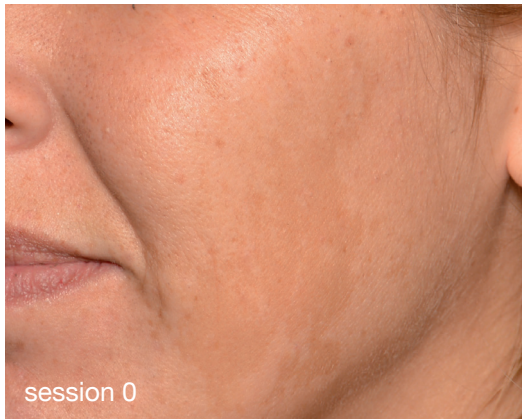


After application of **c.prof 213 mesotox solution** through **m.pen^[pro]** we observed an immediate onset of action, with increased effectiveness after 24 hours.

Results of studies *in vivo*

facial treatment: hyperpigmentation

m.pen ^[pro] + **c.prof 210** depigmentation solution



c.prof 210 depigmentation solution



Powerful combination of active ingredients with **whitening action, correcting pigmentation irregularities** and anti-oxidant.

- tranexamic acid
- N-acetyl glucosamine
- vitamin C
- idebenone

5 ml x **5**

c.prof 211 photoaging solution



Counteracts the signs of skin aging thanks to its photoprotective, anti-oxidant, moisturising and firming action.

- idebenone
- vitamin C
- hyaluronic acid
- taurine

5 ml x **5**

c.prof 213 mesotox solution



It acts dually on **expression lines**, reducing the existing ones and preventing the appearance of new ones.

- acetyl hexapeptide-8
- niacinamide
- pentapeptide-18

5 ml x **5**

c.prof 214 mesopeptide solution



It enhances **redensification of the dermis** improving firmness and the structure of the cell matrix.

- palmitoyl tripeptide-5
- hyaluronic acid
- acetyl tetrapeptide-9

5 ml x **5**

c.prof 220 draining solution



It provides a **draining, decongestant, venotonic and capillary permeability reduction effect**.

- melilot
- rutin
- ginkgo biloba
- aescin

10 ml x **5**

c.prof 221 lipolytic solution



It acts on multiple enzymes and receptors of lipolysis to reduce the **size and number of adipocytes**.

- artichoke extract
- organic silicon
- theophylline
- L-carnitine

10 ml x **5**

c.prof 222 body firming solution



It provides a skin trophic, firming and **stimulating effect of connective fibre synthesis**. Particularly indicated in thighs, buttocks, abdomen, breast and arms.

- hydroxyproline
- organic silicon
- DMAE
- sodium pyruvate

10 ml x **5**

c.prof 223 skinmark solution



Stimulates **cell repair** and re-structures the protein network of the dermis.

- X-DNA.
- organic silicon
- chlorella vulgaris extract
- darutoside

10 ml x **5**

c.prof 224 cellulishock solution



It promotes the activation of the **metabolism and breakdown of fatty acids**, reducing adipocyte size.

- caffeine
- rutin
- capsaicin
- carnitine

10 ml x **5**

c.prof 230 hair loss solution







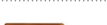

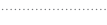

















It provides a **protective and stimulating effect on the hair follicle** that acts on the different agents causing hair loss.

- copper tripeptide-1
- vit-B complex (dexpantenol and biotin).
- pyridoxine
- capsaicin

5 ml x **5**

x.prof

x.prof 010 artichoke extract		Draining and detoxifying action.	5 ml x 20 5 ml x 100
x.prof 011 caffeine		Lipolytic action.	2 ml x 20 2 ml x 100
x.prof 012 L-carnitine		Metabolisation of fatty acids.	5 ml x 20 5 ml x 100
x.prof 013/ 014 organic silicon		Regulates cell metabolism.	5 ml x 20 5 ml x 100
x.prof 015 melilot and rutin		Activates microcirculation.	2 ml x 20 2 ml x 100
x.prof 016 glycolic acid		Regenerating effect.	2 ml x 20
x.prof 017 /018 mesostabyl		Stimulation of lipid degradation.	5 ml /1 ml x 20 5 ml /1 ml x 100
x.prof 019 dexpanthenol		Treatment of alopecia.	5 ml x 20
x.prof 020 vitamin C		Anti-oxidant, brightening action.	5 ml x 20 5 ml x 100
x.prof 021 DMAE		Tightening, firming effect.	5 ml x 20
x.prof 022 piruvex		Stimulation of collagen synthesis.	2 ml x 20
x.prof 023 cosmeretin		Anti-aging effect.	2 ml x 20
x.prof 024 proteoplus		Anti-oxidant action.	2 ml x 20
x.prof 025 hydrotaurin		Action regulating the energy metabolism.	2 ml x 20
x.prof 035 oligoelements		Stimulation of the extracellular matrix.	5 ml x 20
x.prof 036 biotin		Revitalising effect.	2 ml x 20
x.prof 037 ginkgo biloba		Vasoprotective, anti-inflammatory effect.	2 ml x 20
x.prof 038/039 venofresh		Venotonic action.	2 ml x 20
x.prof 040 centella asiatica		Tissue restorer.	2 ml x 20 2 ml x 100
x.prof 108 hyaluronic acid		Moisturising, anti-aging action.	5 ml x 1 5 ml x 5
x.prof 109 bioflash NCTC-109		Biorevitalisation.	5 ml x 10
x.prof 110 X-DNA		Re-structurer and anti-oxidant.	2.5 ml x 5
x.prof 150 reductonidase		Diffusing agent.	1.500 UI x 5
x.prof 151 glutathione		Normaliser of skin tone.	600 mg x 5

meso.prof



The **most complete range** of solutions and specific active ingredients in sterile ampoules and vials for transepidermal application.

2 product lines:

c.prof: active ingredient cocktails to treat specific aesthetic concerns.

x.prof: active ingredients to design 100% customised treatments.

Highly **concentrated, versatile and safe** products that ensure a high therapeutic response level.

Suitable for synergising with **transepidermal penetration systems** (roller, microneedling, electroporation, iontophoresis, ultrasounds, cavitation, IR thermal therapy...).



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