

meso ox.

Product Dossier 2022

About

Skymedic was founded in 2010 on the basis of a family business, with 30 years of experience and presence in 5 continents.

Our *raison d'être* arises from the evolution of the company towards the medical sector.

We are a technologically advanced company that guarantees the quality of our products with a permanent commitment to achieve the full satisfaction of our clients.

Skymedic specializes in 4 areas

Nutriceuticals, Mesoceuticals, Technology & Devices and Cosmeceuticals & Peelings. This allows us to offer not only products but synergic treatments and protocols that differentiate us from other companies.

Our philosophy

In Skymedic, clients are our advisors. Our relationship with them and their satisfaction are our main objectives and our work philosophy.

The dedication, passion and desire to do things well are the qualities that define the character and professional competence of our team members. That is why more than 20,000 clinics and hospitals have trusted us and our products.

**“Listen,
understand
and innovate”
*is our mantra***

Production

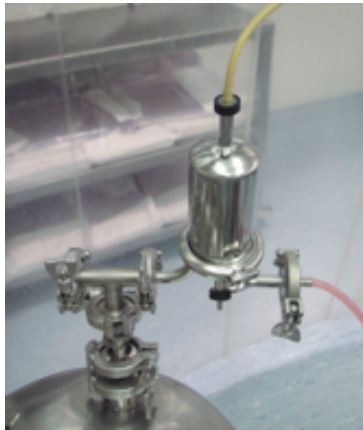
All our mesoceutic products (Meso ox) are produced in our cleanroom, class 7000 facility. Our laboratory staff works in an aseptic environment under laminar filter units.

Meso ox products are **sterilized by filtration** processes. Most of the other manufacturers sterilize by autoclaving (high pressure, hot steam - 121°C), which may damage the active ingredients in the product and reduce its concentration. With the filtration technique the percentage of active ingredients doesn't change, which means that the final product is more effective.

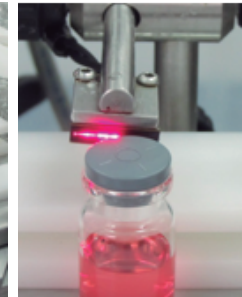
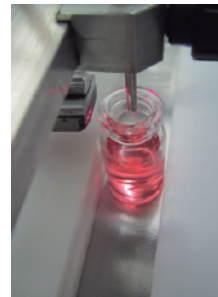
The produced solutions are pressed through a special 0.22 µm sterile membrane filter to separate microorganisms and suspended particles from the end-product. All the active ingredients that are pass through the membrane and are free from bacterial, fungus and particle contamination. Sterile filtration is performed at a low temperature, thus all ingredients remain stable and not deteriorated.

The filtrated products are immediately filled into sterile vials and capped. The filtration, filling and capping process is fully automated and continuous, which ensures that the sterility of the end-product will be maintained. All these procedures take place under a massive laminar flow unit and under a septic conditions.

Detail picture of the filtration process.



Staff at work under laminar flow units in the laboratory



Packaging

For our products we use only Schott pharmaceutical grade vials from which all steps in production are monitored by a DIN ISO 9001:2000 GMP - orientated Quality Management System.

The injection stoppers, used to close the vials after filling, are manufactured by West. The rubber stoppers are made from bromobutyl material. The stoppers are washed with a final rinse in WFI and packed in a class 100 clean room into a sterilizableBAG™.

For the final closure of the vials we use easy to open Flip-Off® CCS aluminum seals, which are ideal for use in a septic operations as they are certified for bio burden and cleanliness.

These steps and products are to ensure safe transport and storage of our products. These steps are also taken to prevent contamination by fungi, bacteria and other elements, during transport and storage.

Quality control

After production the all filled vials are placed in quarantine until the quality control tests have been performed.

Tests include microbiology testing for bacteria, fungus and yeast, stability testing, pH testing and 100% visual testing to ensure the absence of particulate matter and the absence of leakage. This procedure guarantees that the products always match their specifications on appearance, sterility and quality.

The release report (certificate of analysis) is issued for each batch of product. Only then the product is ready to be sold.

- ✓ **Pyrogen-free**
- ✓ **Sterile**
- ✓ **Without preservatives**

Meso ox PPC

Body mesoceleutic product for localized adiposity and adipose cellulite.

Active principle	Effect
Phosphatidylcholine Sodium Deoxycholate	Lipolysis Solubilize fat for intestinal absorption

Action mechanism: Formula that unites two products with specific functions. Phosphatidylcholine together with sodium deoxycholate are responsible for the lysis of the adipocyte causing the elimination of fat. It is usually combined with the Meso ox Slimming that transports the fat and facilitates its elimination.



Use with: Microneedling / Transdermal drug therapy

Combine with: Carboxytherapy

Synergy with: Meso ox Slimming

Dosage: 0.1-0.2ml every 1cm (Max 5-10ml per session)

Meso ox Slimming

Body mesoceleutic product for adipose cellulitis, fibrous cellulitis and localized adiposity.

Active principle	Effect
Theophylline	Diuretic
Mannitol	Diuretic
Buflomedil HCL	Vasodilator
Caffeine	Diuretic
Taurine	Enhance cellular metabolic activity

Action mechanism: Active ingredients for the treatment of cellulite and localized fat. Once the fat cells are lysed with any kind of physiological treatment, their function is to transport the fats to facilitate their elimination. This is done through the kidney, the liver or through physical exercise.



Use with: Microneedling / Transdermal drug therapy

Combine with: Carboxytherapy / Presotherapy

Synergy with: Meso ox PPC

Dosage: 0.2-0.5ml every 1cm (Max 5-10ml per session)

Meso ox Firming

Mesocutic product for prevention and treatment of facial/ body flaccidity and ypotonic cellulitis.

Active principle	Effect
DMAE	Increase skin firmness
Valine	Tissue repair
Proline	Collagen precursor
Glycine	Collagen precursor
Carnosine	Antioxidant

Action mechanism: Product for the treatment of skin flaccidity. The binding of DMAE with the amino acids Carnosine, Proline and Valine retracts the elastin fibers, which causes a decrease in flaccidity. It is used as an adjunct to weight loss treatments.



Use with: Microneedling / Transdermal drug therapy

Combine with: Radiofrequency / Carboxytherapy / Fractionated laser

Dosage: 0.2-0.5ml every 1cm (Max 5-10ml per session)

Meso ox Aminoacids

Amino acids with antioxidant action, skins with loss of tone, localized adiposities and improved energy availability. Improves cellulite.

Active principle	Effect
L-Arginine	Aminoacid
L-Methinine	Aminoacid
L-Glutamine	Aminoacid
L-Carnitine HCL	Aminoacid

Action mechanism: Solution that combines different types of amino acids whose function is to nourish the cell. Its composition is indicated to promote the mobilization and burning of localized fats.

Use with: Microneedling / Transdermal drug therapy



Combine with: Carboxytherapy / Photobiodynamic therapy

Synergy with: Meso ox PPC / Meso ox Slimming

Dosage: 0.1-0.2ml every 1cm (Max 5ml per session)

Meso ox Stretch Marks

Body mesoceleutic product for prevention and treatment of new and old stretch marks and scars.

Active principle	Effect
DMAE	Increase skin firmness
Citric acid	Anticoagulant
Sodium hyaluronate	Antiaging & hydration
Valine	Tissue repair
Tocopherol	Antioxidant
Retinyl palmitate	Antineoplastic
Glycine	Collagen precursor
Carnosine	Antioxidant

Action mechanism: Product for treatment of stretch marks. Hyaluronic acid hydrates the skin, DMAE has a firming effect and carnosine, valine, tocopherol and retinyl nourish the cell, restructuring the stria. It is used in combination with other Meso ox products.



Use with: Microneedling / Transdermal drug therapy

Combine with: Laser / Carboxytherapy / Leds / Fractionated radiofrequency

Synergy with: Meso ox Hyal / Meso ox Aminoacids

Dosage: 0.2-0.5ml every 1cm (Max 5-10ml per session)

Meso ox White

Body mesoceleutic product for the treatment of pigmentations, uneven tone and coloration of dark circles. Revitalizing and antioxidant.

Active principle	Effect
Ascorbic acid	Antioxidant
Mulberry extract	Lightning and whitening
Licorice extract	Antioxidant
Glutathione	Antioxidant
Glycolic acid	Chemical peeling
Arbutin	Inhibits the melanocyte
Kojic acid	Depigmenting
Azelaic acid	Inhibits tyrosinase

Action mechanism: Active ingredients in injectable quality for treatment of all types of spots, hyperpigmentation and melasma.

The combined use of azelaic acid, kojic acid and glutathione act on the melanocyte inhibiting the production of melanin.



Use with: Microneedling / Transdermal drug therapy

Combine with: Laser / Peelings / Photobiodynamic therapy (Fotoage & Skin ox)

Dosage: 0.01-0.02ml every 1-1.5cm (Max 1.5-2ml per session)

Meso ox Vitamin

Facial mesoceleutic for prevention and treatment of devitalized skin and the first signs of aging. Coadjuvant and base for other sterile mesotherapy solutions.

Action mechanism: Prepared to be used as a complement to any other type of mesotherapy due to its high composition of vitamins, minerals, amino acids and essential trace elements for all biological functions of the cell.



Active principle

Cyanocobalamin
Alanine
Arginine HCl
Asparagine
Aspartic acid
Cysteine HCL
Glutamic acid
Glutamine
Glycine
Histidine HCL
Isoleucine
Leucine
Lysine HCl
Methionine
Phenylalanine
Proline
Serine
Threonine
Tryptophan
Valine
Adenine HCL
Glucose
Linoleic acid
Sodium pyruvate
Thioctic acid

Effect

Reduces redness & dryness
Balances moisture levels
Protects from free radicals
Proteine biosynthesis
Aminoacid synthesis
Aminoacid synthesis
Keeps skin pH stable
Skin lightning
Collagen precursor
Antioxidant
Skin regeneration
Skin regeneration
Collagen precursor
Skin regeneration
Skin whitening
Collagen precursor
Skin conditioning agent
Moisturizing, regenerating
Antioxidant
Tissue repair
Hydration
Skin conditioning agent
Protects skin barrier
Increases skin hydration
Wrinkle reduction

Meso ox Vitamin

Active principle	Effect
Calcium chloride	Replenish calcium levels
Copper sulfate	Collagen stimulation
Ferrous sulphate	Skin regeneration
Magnesium sulfate	Reduces inflammation
Manganese sulfate	Skin nutrition
Ammonium molybdate	Mineral nutrition
Nickel Chloride	Mineral nutrition
Potassium phosphate	Mineral nutrition
Sodium Chloride	Mineral nutrition
Sodium metasilicate	Mineral nutrition
Disodium selenite	Mineral nutrition
Stannous chloride	Mineral nutrition
Zinc sulfate	Mineral nutrition
Biotin	Mineral nutrition
Folinic acid calcium salt	Mineral nutrition
Inositol	Vitamin nutrition
Niacinamide (vit B3)	Prevent hair loss
Pantothenic Acid	Antioxidant
Pyridoxine HCL (vit B6)	Aminoacid precursor
Riboflavin	Skin lightning & antiaging
Thiamine HCL (vit B1)	Antiaging effect
Thymidine	Antiaging effect
Putrescine HCL	Cell proliferation
Phenol red sodium salt	Nutrient

Use with: Microneedling / Transdermal drug therapy

Combine with: Laser / Carboxytherapy / Photobiodynamic therapy (Fotoage & Skin ox)

Synergy with: Meso ox Hyal

Dosage: 0.1-0.2ml every 1cm (Max 5ml per session)

Meso ox Antiaging

Dermic restructuring for loss of tone and elasticity. Advanced photo-aging and anti-free radicals. Complementary to the therapies of induction of growth factors.

Active principle	Effect
Ascorbic acid	Antioxidant
L-Valine	Tissue repair
L-Proline	Collagen precursor
L-Glycine	Collagen precursor
Routine	Decrease capillary fragility

Action mechanism: Formula that treats skin aging. Vitamin C or ascorbic acid provides a flash effect, linked to valine and proline. The routine is a drainage that helps mobilize water in the skin



Use with: Microneedling / Transdermal drug therapy

Combine with: Laser / Carboxytherapy / Radiofrequency / Photobiodynamic therapy (Fotoage & Skin ox)

Synergy with: Meso ox Hyal / Meso ox Vitamin

Dosage: 0.01-0.02ml every 1-1.5cm (Max 1.5-2ml per session)

Meso ox Hyal

Facial mesoceleutic for skin hydration and dermal density recovery and maintenance. Photoaging processes.

Active principle

Non-crosslinked hyaluronic acid (1%)

Effect

Antiaging & hydration

Action mechanism: Hyaluronic acid solution to treat the loss of brightness and tone. Indicated for sensitive, dry skin with wrinkles. Hydrates and nourishes from inside.

Use with: Microneedling / Transdermal drug therapy



Combine with: Laser / Carboxytherapy / Radiofrequency

Synergy with: Meso ox Vitamin / Meso ox Antiaging / Meso ox Aminoacids, PRP

Dosage: 0.01-0.02ml each 1-1.5cm (Max 1.5-2ml per session)

Meso ox Hair

Capillary mesocephalic for prevention and treatment of androgenetic alopecia, alopecia areata and telogen effluvium. Dandruff, seborrhea and thin hair.

Active principle	Effect
Buflomedil	Vasodilator
Pyridoxine HCL (vit B6)	Aminoacid precursor
Pantothenic acid (vit B5)	Antioxidant
Nicotinamide (vit B3)	Prevent hair loss
Thiamin HCL (vit B1)	Cell growth
Acetylcysteine	Antioxidant

Action mechanism: Prepared to treat mainly androgenetic alopecia. Pyridoxine and nicotinamide linked with pantothenic acid inhibit the action of 5-alpha reductase, decreasing the local concentration of dihydrotestosterone, responsible for atrophy of the follicle.



Use with: Microneedling / Transdermal drug therapy

Combine with: Carboxytherapy / HR3 device

Synergy with: Meso ox Aminoacids / PRP

Dosage: 0.01-0.02ml every 2cm (Max 1-2ml per session)

Meso ox Hydralight

Facial mesoceleutical for the prevention and treatment of devitalized skin and the first signs of aging, through its multivitamin formula with hyaluronic acid.

Action mechanism: Prepared to be used as an anti-aging and revitalizing treatment due to its high composition of vitamins, minerals, amino acids and trace elements essential for all the biological functions of the cell, together with hyaluronic acid.



Active principle

Sodium hyaluronate
Cyanocobalamin
Alanine
Arginine HCl
Asparagine
Aspartic acid
Cysteine HCL
Glutamic acid
Glutamine
Glycine
Histidine HCL
Isoleucine
Leucine
Lysine HCl
Methionine
Phenylalanine
Proline
Serine
Threonine
Tryptophan
Valine
Adenine HCL
Glucose
Linoleic acid
Sodium pyruvate
Thioctic acid

Effect

Hydration and antiaging
Reduces redness & dryness
Balances moisture levels
Protects from free radicals
Proteine biosynthesis
Aminoacid synthesis
Aminoacid synthesis
Keeps skin pH stable
Skin lightning
Collagen precursor
Antioxidant
Skin regeneration
Skin regeneration
Collagen precursor
Skin regeneration
Skin whitening
Collagen precursor
Skin conditioning agent
Moisturizing, regenerating
Antioxidant
Tissue repair
Hydration
Skin conditioning agent
Protects skin barrier
Increases skin hydration
Wrinkle reduction

Meso ox Hydralight

Active principle	Effect
Calcium chloride	Replenish calcium levels
Copper sulfate	Collagen stimulation
Ferrous sulphate	Skin regeneration
Magnesium sulfate	Reduces inflammation
Manganese sulfate	Skin nutrition
Ammonium molybdate	Mineral nutrition
Nickel Chloride	Mineral nutrition
Potassium phosphate	Mineral nutrition
Sodium Chloride	Mineral nutrition
Sodium metasilicate	Mineral nutrition
Disodium selenite	Mineral nutrition
Stannous chloride	Mineral nutrition
Zinc sulfate	Mineral nutrition
Biotin	Mineral nutrition
Folinic acid calcium salt	Mineral nutrition
Inositol	Vitamin nutrition
Niacinamide (vit B3)	Prevent hair loss
Pantothenic Acid	Antioxidant
Pyridoxine HCL (vit B6)	Aminoacid precursor
Riboflavin	Skin lightning & antiaging
Thiamine HCL (vit B1)	Antiaging effect
Thymidine	Antiaging effect
Putrescine HCL	Cell proliferation
Phenol red sodium salt	Nutrient

Use with: Microneedling / Transdermal drug therapy

Combine with: Laser / Carboxytherapy
Photobiodynamic therapy (Fotoage & Skin ox)
Radiofrequency

Synergy with: Meso ox Antiaging

Dosage: 0.01-0.02ml every 1-1.5cm (Max 1.5-2ml per session). 1 per week (3 sessions)



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