

mesoprotech®



sun protection
technology
by mesoestetic®

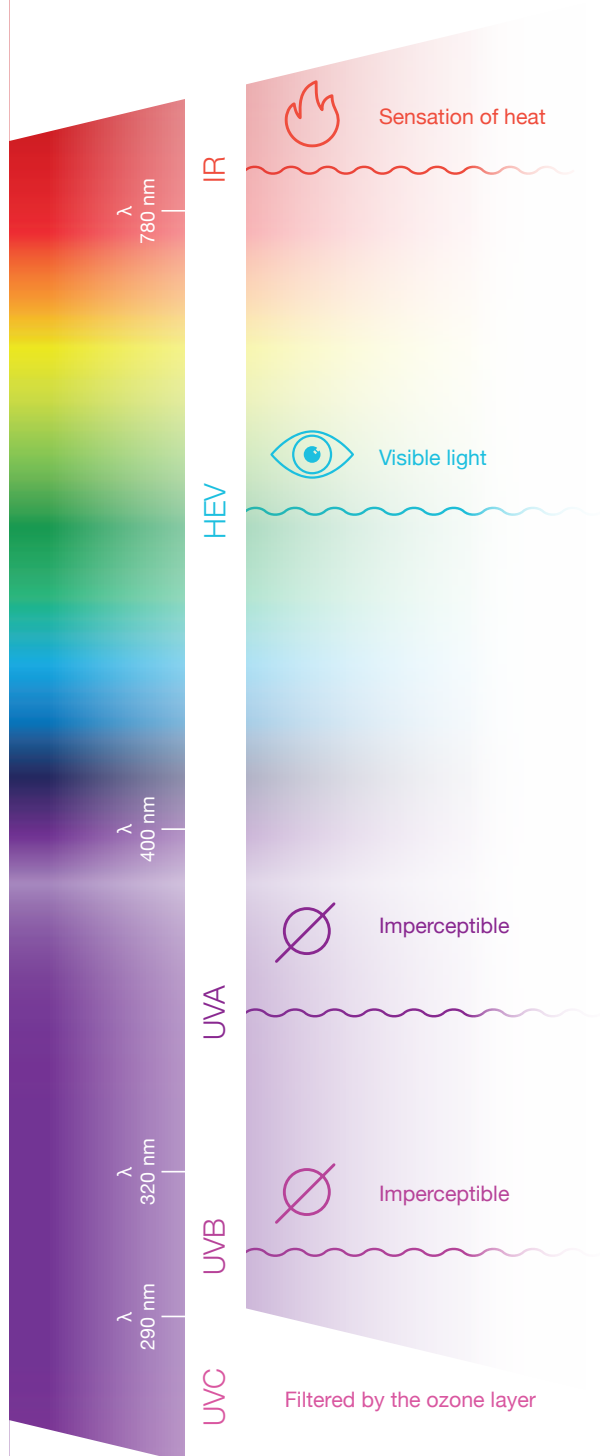


cutting edge sun protection for all skin types

mesoestetic®

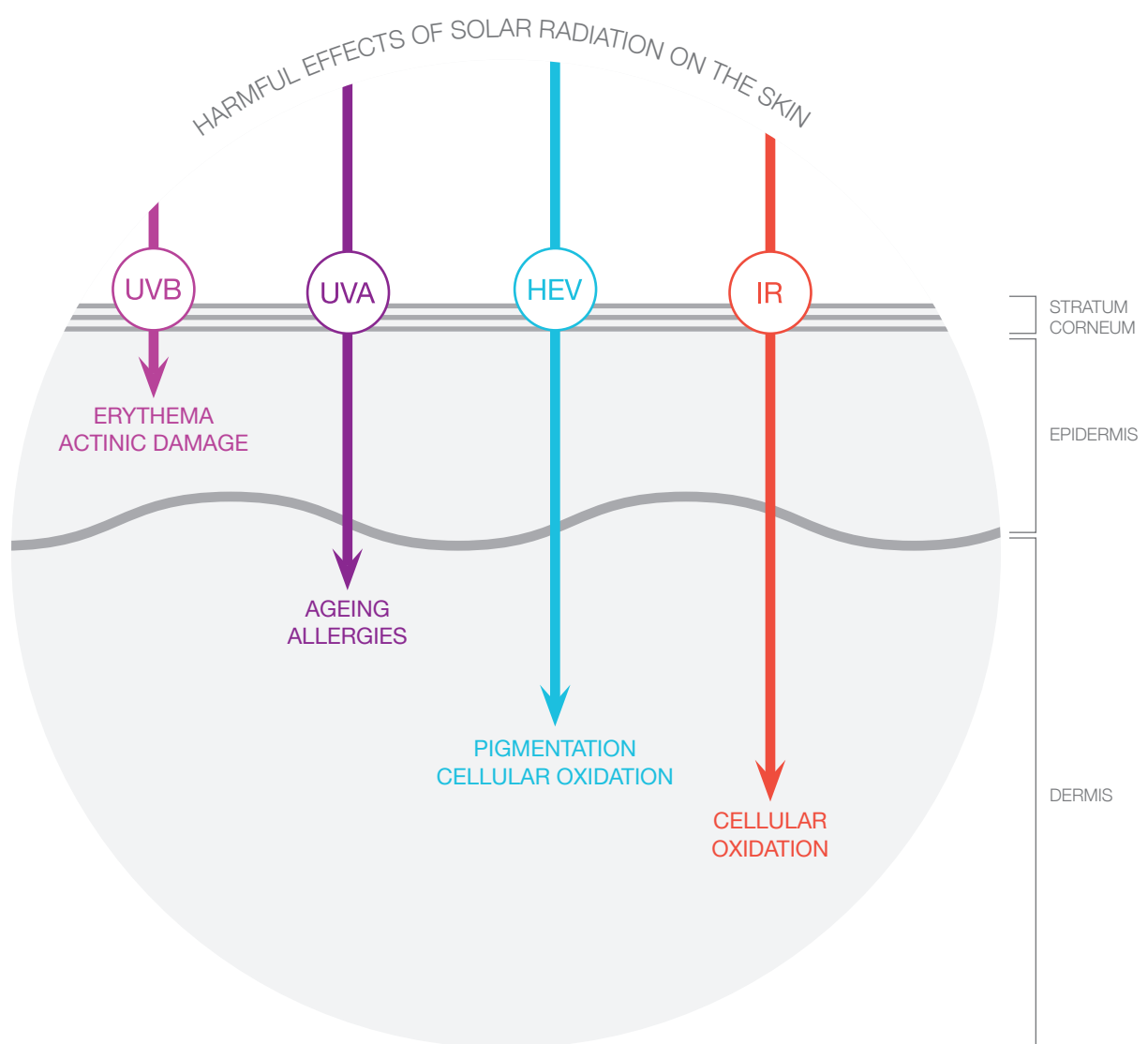
The solar spectrum

The sun is a source of energy that reaches our planet in the form of electromagnetic rays with different wavelengths (λ). Human beings exposed to the sun perceive the effect of this radiation either in the form of visible light (high-energy visible light, HEV) or, in the case of infrared radiation (IR), as heat. UV rays, however, cannot be seen by the naked eye, making sun exposure an invisible risk.



Solar radiation and the skin

The different wavelengths of the rays that reach our bodies penetrate our skin at varying depths and produce differentiated biological effects.



The skin has defence systems against solar radiation, such as melanin production or the release of antioxidant substances.

However, it does not have a natural ability to protect itself against all the effects of occasional or cumulative overexposure on the body.



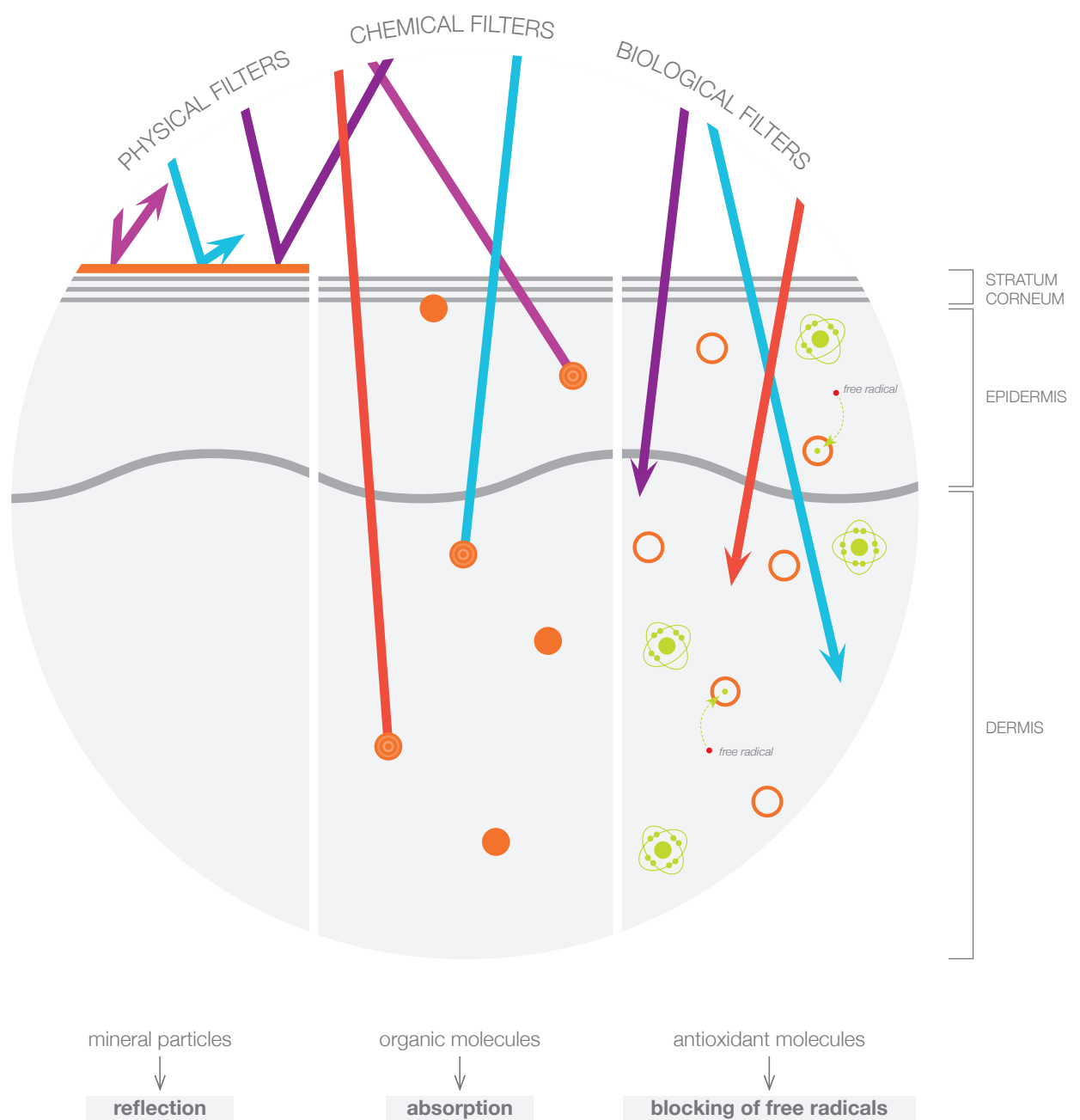
mesoprotech® formulas

Formulas with next-generation technology that combine the highest solar protection with antiaging and specific ingredients to make each a unique product.

mesoprotech® complex (UVA) (UVB) (HEV) (IR)

Broad spectrum sunscreen complex: Protection against UVB + UVA radiation. Protection against visible light (HEV) and infrared radiation (IR).

Optimal combination of physical, biological and/or chemical filters to provide maximum effectiveness and cosmetic benefits:



collagen pro-47

Plant extract that increases the presence of heat shock protein 47 (HSP-47).⁽¹⁾

Protects the skin's collagen networks.

Promotes the synthesis of new type I collagen fibres, increasing their presence and quality in the extracellular matrix.

Prevents photo-ageing and promotes elasticity and firmness.

Did you know...?

80%

of the collagen produced by fibroblasts is **type I collagen**.

UVA

rays increase the presence of **collagenase**, the enzyme that breaks down collagen fibres.

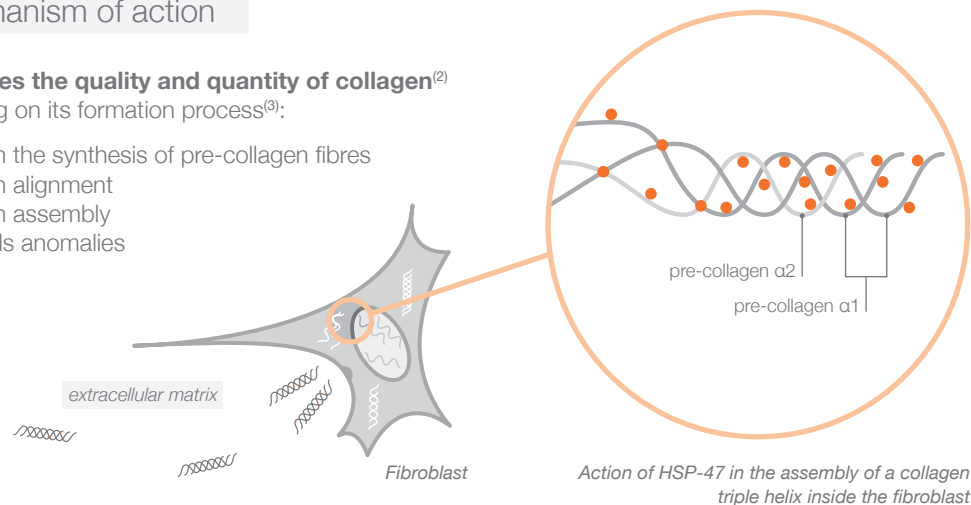
HSP-47

HSP-47 is the heat shock protein responsible for **protecting collagen networks** against conditions of stress.

mechanism of action

Increases the quality and quantity of collagen⁽²⁾
by acting on its formation process⁽³⁾:

- helps in the synthesis of pre-collagen fibres
- helps in alignment
- helps in assembly
- discards anomalies



Hyaluronic acid + silicium

Provides hydrating action at the epidermal level and enhances the elasticity and firmness of tissues.

Chia seed oil

Rich in omegas 3 and 6, it provides elasticity and nutrition, while strengthening the barrier function.

Rosehip oil

Boosts epidermal repair mechanisms.

Azeloglycine

Prevents the appearance of spots by regulating activation of tirosinase, the enzyme responsible for melanin production.

Mattifying particles

Eliminate excess oil and shine and leave the skin with a velvety matt finish.

Vitamin E

Provides antioxidant and antiaging action.

mesoprotech®: The range



specific



mesoestetic
melan 130+
pigment control
mesoprotech®
UVA UVB HEV IR
SPF 50+ very high protection
Tinted emulsion. All skin types
130+
50 ml / 1.69 fl.oz.

melan 130+
pigment control



mesoestetic
sun protective
repairing stick
mesoprotech®
UVA UVB HEV IR
SPF 100+ very high protection
100+
50 ml / 1.69 fl.oz.

sun protective
repairing stick

facial



mesoestetic
mineral matt
antiaging fluid
mesoprotech®
UVA UVB HEV IR
SPF 50+ very high protection
Liquid to powder emulsion
Sensitive, combination & oily skins
50+
50 ml / 1.69 fl.oz.

mineral matt
antiaging fluid



mesoestetic
light water
antiaging veil
mesoprotech®
UVA UVB HEV IR
SPF 50+ very high protection
Ultra light emulsion
Normal and combination skin
50+
50 ml / 1.69 fl.oz.

light water
antiaging veil

VERY HIGH PROTECTION		VERY HIGH PROTECTION		
130+	100+	50+	50+	
hyperpigmentations	sensitive areas	combination/oily	sensitive	normal/com
azeloglycine	rosehip oil	mattifying particles	mineral filters	hyaluronic acid
				
fluid with colour	solid in stick form	liquid powder	ultra-light	



veil



nourishing
antiaging oil



antiaging facial
sun mist



antiaging body
sun mist

VERY HIGH PROTECTION			HIGH PROTECTION
50+	50+	50+	30
combination	dry/mature	all skin types	
acid + silicium	chia seed oil	vitamin E	
			
light veil	gel-oil	invisible mist	



50 ml bottle

mineral matt antiaging fluid SPF 50+

mesoprotech® complex

Based on physical UVB+UVA filters and biological HEV+IR filters.

antiaging action

Collagen pro-47. Protects and increases the presence of high-quality collagen in the skin.

specific ingredient

Mattifying particles. Eliminate excess shine and leave the skin with a velvety matt finish.

specific texture

Liquid to powder emulsion. An innovative non-greasy fluid texture that turns into a powdery emulsion on the skin.

indicated for

COMBINATION/OILY SENSITIVE SKINS



DERMATOLOGICALLY
TESTED



NON
COMEDOGENIC



WATER
RESISTANT



SHAKE
BEFORE USING



50 ml bottle

light water antiaging veil SPF 50+

mesoprotech® complex

Combines physical and chemical UVB+UVA filters with biological HEV+IR filters.

antiaging action

Collagen pro-47. Protects and increases the presence of high-quality collagen in the skin.

specific ingredient

Hyaluronic acid + silicon. Provides hydrating action at the epidermal level and enhances the elasticity and firmness of tissues.

specific texture

Ultra-light emulsion. Its ultra-light texture is rapidly absorbed, creating an invisible protective veil.

indicated for

NORMAL & COMBINATION SKINS



DERMATOLOGICALLY
TESTED



WATER
RESISTANT



SHAKE
BEFORE USING



50 ml bottle

nourishing antiaging oil SPF 50+

mesoprotech® complex

Combines chemical UVB+UVA filters with biological HEV+IR filters.

antiaging action

Collagen pro-47. Protects and increases the presence of high-quality collagen in the skin.

specific ingredient

Chia seed oil. Rich in omegas 3 and 6, it provides elasticity and nutrition, while strengthening the barrier function.

specific texture

Oil-gel. With a gel texture, it turns into a light oil that melts into the skin to leave a dry finish.



DERMATOLOGICALLY
TESTED



WATER
RESISTANT

indicated for
DRY & MATURE SKIN



60 ml spray

200 ml spray

antiaging sun mists new

mesoprotech® complex

Combines chemical UVB+UVA filters with biological HEV+IR filters.

antiaging action

Collagen pro-47. Protects and increases the presence of high-quality collagen in the skin.

specific ingredient

Vitamin E. Provides antioxidant and protective action

specific texture

Mist. Its invisible and fresh texture is immediately absorbed without need to extend.

antiaging facial sun mist SPF 50+

Face protection. Ideal to take along with you and reapply in the daytime. Suitable after make-up.

antiaging body sun mist SPF 30

Body protection. Ideal for outdoor use and sport. It can be applied even on wet or sweaty skin without leaving a greasy residue after application.



DERMATOLOGICALLY
TESTED



WATER
RESISTANT



SHAKE
BEFORE USING



APPLY AT A DISTANCE
OF ~10 CM

indicated for
ALL SKIN TYPES



50 ml bottle

melan 130+ pigment control

mesoprotech® complex

Combines physical and chemical UVB and UVA filters that provide UVB 131 and UVA 67 protection. With biological HEV+IR filters.

specific ingredient

Azeloglycine. Prevents spots by regulating tirosinase, the enzyme responsible for melanin production.

specific texture

Fluid with colour. Its ultra-fluid texture contains pigments to avoid leaving a white residue, minimise imperfections and provide a light, natural tone unlike that of a make-up base.

indicated for skins
WITH PIGMENT ALTERATIONS



DERMATOLOGICALLY
TESTED



WATER
RESISTANT



SHAKE
BEFORE USING



stick 4,5 g

sun protective repairing stick 100+

mesoprotech® complex

Combines physical and chemical UVB and UVA filters that provide UVB 124 and UVA 32 protection. With biological HEV+IR filters.

antiaging action

Collagen pro-47. Protects and increases the presence of high-quality collagen in the skin.

specific ingredient

Rosehip oil. Boosts epidermal repair mechanisms.

specific texture

Solid in stick form. A practical format that enables application anytime, anywhere. Good spreadability on the skin.

indicated for
SENSITIVE AREAS



DERMATOLOGICALLY
TESTED



OPHTHALMOLOGICALLY
TESTED



WATER
RESISTANT

In vitro and in vivo studies

mesoprotech® complex

The sun protection factors of mesoprotech® products have been evaluated in accordance with the ISO 24444 standard **in compliance with European regulations and ensuring maximum rigour and effectiveness:**



UVB sun protection factor:
IN VIVO TEST

Clinical test in which a human subject's back was exposed to rays with one zone treated with the product to be evaluated and another left untreated (control). The test measures the additional time during which the sunscreen provides protection before reddening (or erythema) occurs compared to the control zone.



UVA sun protection factor:
IN VITRO TEST

A plate treated with the product is exposed to UVA radiation to evaluate its absorption capacity compared to that of a control plate. The UVA factor is the higher absorption capacity provided by the product.

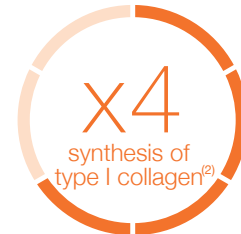
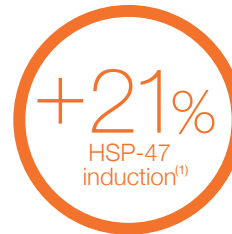


Water resistance:
IN VIVO TEST

The subject is immersed in water twice during 20' each time, with a wait period of 15' between immersions. After drying off completely, the test is passed if the subject's skin retains more than 50% of the protection applied.

collagen pro-47:

Studies conducted with treated human fibroblast cultures vs. a control culture demonstrate effectiveness in **increasing the genetic expression of HSP-47** and **increasing type I collagen synthesis**.



Key information on sun protection for correct recommendation

Match the **protection factor to the skin phototype**. The lighter the skin, the higher the recommended protection factor needs to be.

Match the mesoprotech® product to the type of skin and its needs: an unsuitable sunscreen can encourage insufficient application through loss of adherence.

As the face is the most sensitive to solar radiation, given that the skin is thinner and therefore more vulnerable to its effects, recommend sunscreens with higher protection factors.

Following medical-aesthetic treatments that can sensitise the skin, recommend application of a sunscreen with very high protection, even when there is no direct exposure to the sun.

Match the **protection level to weather conditions**, exercising extra caution when at sea or in the mountains, in the case of wind or on cloudy days, when the perception of radiation is lower.

There are numerous **photosensitising medications**. When under pharmacological treatment, ask about the risk of sun sensitisation.

2 ml/cm²



Apply a sufficient quantity (2 ml/cm² of skin) 30 minutes before exposure.



Reapply every 2h, especially after drying off with a towel following swimming or when sweating.

11:00 AM



4:00 PM

Avoid the **midday hours**: 11:00 a.m. to 4:00 p.m.



In the case of intense and prolonged exposure, wear **sunglasses** and a **sun hat**.

mesoprotech®



Complete, next-generation sun protection against
UVA-UVB-IR-HEV.

With an **innovative antiaging ingredient** to protect and boost the collagen in the extracellular matrix, and prevent photo-ageing.

Complete formulas that contain **specific ingredients** to provide differentiated action in each case.

Innovative textures to suit the needs and demands of each skin type.

Dermatologically tested formulas.



(1) Biotechnology Unit. Efficacy of collagen pro-47 as an inducer of the expression of genes encoding the collagen-binding heat shock protein (HSP47) by qRT-PCR. mesoestetic pharma group S.L. 2017. (2) Biotechnology Unit. Efficacy of collagen pro-47 as an inducer of the production of collagen type I by the fibroblasts by qRT-PCR. mesoestetic pharma group S.L. 2017. (3) Rocnik EF, Van der veer E, Cao H, Hegele RA, Pickering JG. Functional linkage between the endoplasmic reticulum protein HSP-47 and procollagen expression in human vascular smooth muscle cells. J Biol Chem. 2002;277(41):38571-8.

mesoestetic®

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www.mesoestetic.com
made in Spain

committed to your skin

mesoestetic® sponsors the european
campaign for the prevention, early diagnosis
and treatment of skin cancer.



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