



# Bionativa

AESTHETIC MEDICINE

## AGEX by PHARCOS

AESTHETIC MEDICINE

DERMAL FILLERS  
ANTI AGEING TREATMENTS





# Bionativa

MADE IN ITALY, INSPIRING GLOBALLY

Originating from Biodue SpA's Own Brands Division, Bionativa continues its legacy of innovation in medical devices, cosmetics and dietary supplements, rooted in Tuscany's research and production excellence.

PHARCOS

AGEX  
by PHARCOS

 Fitopreparatori  
Italiani®

@ BIOFTA

 RIVER  
PHARMA

I.P. FARMA

## EFFECTIVE AND SAFE PRODUCTS THROUGH SCIENTIFIC RESEARCH

In **Bionativa**, continuous innovation in product development is supported by scientific research in collaboration with leading research institutions. This approach allows us to create state of the art products focused on achieving effective outcomes, utilizing raw materials of the highest quality and meticulous processes.

- 380+ Products
- 120+ Product brands, active ingredients and technologies
- 10 Patents registered globally
- 30+ R&D Projects annually
- 40+ Scientific studies with 2,000+ participants

## OUR BRANDS

Bionativa unites leading brands in the Health & Beauty sectors under one corporate ethos, focused on the specifics of each area while sharing a common mission: to value professional advice in a constantly evolving market.

**PHARCOS** • *Dermatology and Cosmetics*

**AGEX** • *Aesthetic Medicine*

**FITOPREPARATORI ITALIANI** • *Proctology and Gastroenterology*

**BIOFTA** • *Ophthalmology*

**RIVER PHARMA** • *Orthopedics, Neurology*

**IP FARMA** • *Otorhinolaryngology, Gynecology, Pediatrics, Urology, Pneumology and General Surgery*

**AGEX**  
by PHARCOS

Agex, inspired by the trusted Pharcos dermatology brand, offers top-quality aesthetic medicine and anti ageing products made in Italy. Created in the Pharcos labs with the best materials, our products give quick, noticeable, and long-lasting natural results. Agex combines beauty with science for effective and professional skin care.



# AGEX

by PHARCOS

FEEL NATURAL BEAUTY



# AGEX *fill*

VOLUMIZING CROSSLINKED HA + BIOSTIMULATING FREE HA

VOLUME



STRUCTURE



HYDRATION



## THE LINE

Agex Fill is a range of dermal fillers for the correction of smaller imperfections as well as the deepest marks, ranging from a restructuring filler to a true volumizing filler.

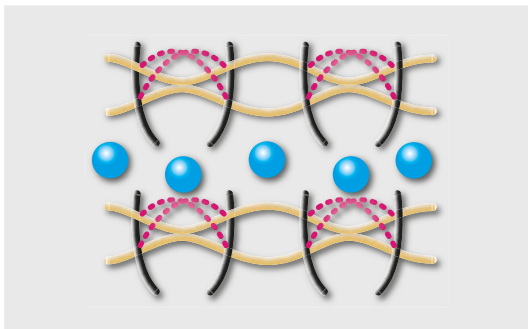
All the products in the line also feature tissue biostimulation activity, which has a long-term restructuring effect.



# IALOBILAYER<sup>®</sup> TECH

TECHNOLOGY THAT COMBINES  
VOLUMIZING CROSSLINKED HA  
WITH BIOSTIMULATING FREE HA

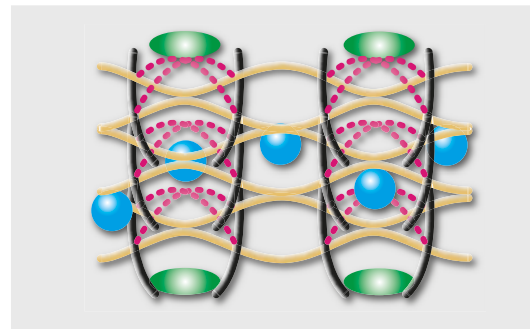
AGEX FILL excels in repairing specific imperfections, also ensuring a natural correction of wrinkles and volumes, restoring the firmness and tone of the skin. This is possible thanks to the innovative IALOBILAYER<sup>®</sup> technology, which uses crosslinked hyaluronic acid (HA) at different molecular weights alternating with non-crosslinked hyaluronic acid, at a variable percentage based on the type of product. In this way free hyaluronic acid is protected from degradation and is gradually released over time.



Layer of crosslinked HA alternating with native free HA

The hyaluronic acid used is an uncut monophasic gel with 1-2 micron particles; this induces a greater homogeneity in the gel and its better distribution in the tissues.

The studies conducted demonstrate how effective this technology is in stimulating the proliferation of fibroblasts in the human dermis, resulting in an increased production of collagen and elastin.



Free HA is protected from enzymatic degradation and slowly released



### PRODUCTION PROCESS

Ialobilayer Tech uses a very pure pharmaceutical-grade sodium hyaluronate from bacterial fermentation that is slowly mixed at low-temperature and purified through a 24 hours dialysis, producing "soft-crosslinking".

- ◆ Crosslink degree control
- ◆ Minimum BDDE use
- ◆ Low residual BDDE (lower than fillers of the same viscosity)
- ◆ Low risk of side effects and preserving the health of the skin
- ◆ Prevention of degradation of hyaluronic acid

### MAIN BENEFITS

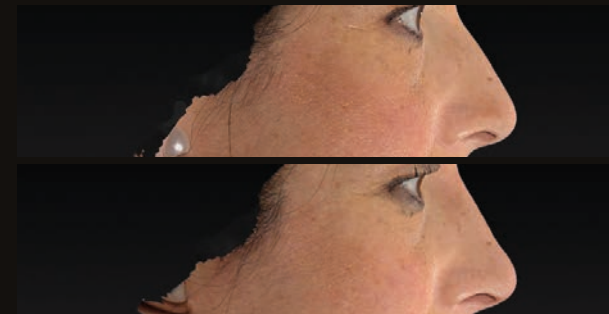
- ◆ Volumizing crosslinked HA + biostimulating free HA
- ◆ Raw material according to the highest quality standards
- ◆ Minimum BDDE levels
- ◆ High concentration of HA

# TREATMENTS Before / After

## Lips



## Nose



## Hands



## Neck



### TREATMENT SPECIFICATIONS

- ◆ LIPS: 1 x 1 ml Agex Fill Volume
- ◆ NOSE: 1 x 1 ml Agex Fill Ultra
- ◆ HANDS: 1 x 1,1 ml Agex Fill
- ◆ NECK: 1 x 1,1 ml Agex Fill

# AGEXfill

## FEATURES

- REGENERATION
- ELASTICITY
- TISSUE REDENSIFICATION
- SOFTNESS AND FLEXIBILITY
- RECEPTIVE STIMULATION

Filler that has a biostimulating action allowing the complete rejuvenation of the skin. Restores elasticity, hydration and stimulates cell renewal.

### Included in the packaging:

27 G x 37 mm cannula  
26 G x 13 mm needle

### Also compatible with:

27 G x 13 or 19 mm needles,  
up to 30 G x 13 mm

<b>PROTOCOL</b>	2-3 treatments every 2-3 months
<b>DURATION</b>	2-3 months
<b>COMPOSITION</b>	Crosslinked hyaluronic acid + Linear hyaluronic acid
<b>DOSAGE</b>	1.1 ml
<b>MOLECULAR WEIGHT</b>	2 M Da + 1 M Da Crosslinked HA + 10% Linear HA 500,000 Da
<b>INJECTION POINT</b>	Dermis
<b>CONCENTRATION</b>	25 mg/ml
<b>PACKAGING</b>	3 pre-filled single-use syringe
<b>CROSS-LINKING AGENT</b>	Residual BDDE < 0,1 ppm
<b>ELASTIC MODULUS G'</b>	30 Pa
<b>VISCOUS MODULUS G''</b>	10 Pa

### CROSSLINKING



### VOLUME

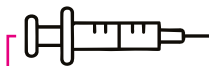


### BIOSTIMULATION



MEDICAL DEVICE • Cl. III

- FACE
- NECK / DÉCOLLETÉ
- BACK OF THE HANDS



VIDEO  
ON FILLER  
PROCEDURE



[qr.bionativa.net/videoFil1](https://qr.bionativa.net/videoFil1)

## INJECTION TECHNIQUES

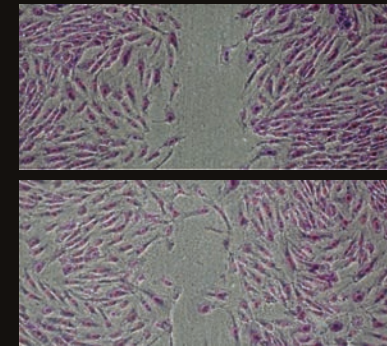


- Linear** ➤ with 30 G x 13 mm needle
- Picotage** ➤ with 30 G x 4 mm needle
- Cannula** ➤ 25 or 27 G x 4-5 mm



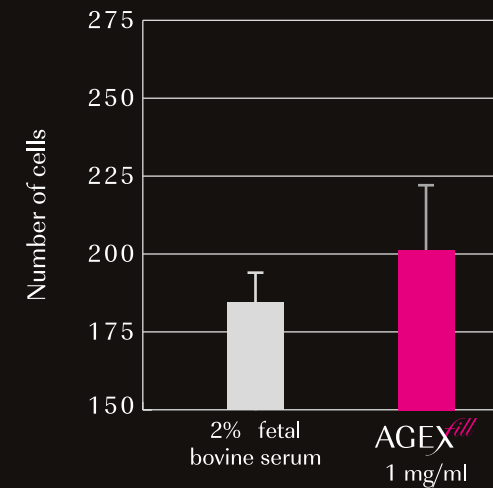
## IN VITRO STUDIES

### ENDOTHELIAL MIGRATION



Evaluated by scratch test after 18 hours (stained with hematoxylin-eosin) on endothelial cells of the human dermis.

### ANALYSIS OF THE PROLIFERATION OF HUMAN DERMAL FIBROBLASTS



The study demonstrates how Agex fill stimulates the proliferation of human dermal fibroblasts 40% more than fetal bovine serum.

# AGEX<sup>fill</sup> VOLUME

## FEATURES

- VOLUME
- PLUMPNESS
- RESTRUCTURING

Indicated to correct the average volumes of the face. It adapts to the individual morphology, respecting the naturalness of the traits.

### Included in the packaging:

27 G x 13 mm needle  
27 G x 19 mm needle

### Also compatible with:

25 G x 38 mm / 50 mm cannula

<b>DURATION</b>	5/6 months
<b>COMPOSITION</b>	Crosslinked hyaluronic acid + Linear hyaluronic acid
<b>DOSAGE</b>	1 ml
<b>MOLECULAR WEIGHT</b>	2 M Da + 1 M Da Crosslinked HA + 8% Linear HA 1 M Da
<b>INJECTION POINT</b>	Hypodermis
<b>CONCENTRATION</b>	25 mg/ml
<b>PACKAGING</b>	1 pre-filled single-use syringe
<b>CROSS-LINKING AGENT</b>	Residual BDDE < 0,1 ppm
<b>ELASTIC MODULUS G'</b>	100 Pa
<b>VISCOUS MODULUS G''</b>	20 Pa

### CROSSLINKING



### VOLUME



### BIOSTIMULATION



MEDICAL DEVICE • Cl. III

- MEDIUM VOLUME RESTORATION
- CHEEKS
- ASYMMETRY CORRECTION
- MALAR REGION
- NASOLABIAL WRINKLES
- MEDIUM DEPTH MARIONETTE WRINKLES
- VOLUMETRIC LIP AUGMENTATION



[qr.bionativa.net/videoFil2](https://qr.bionativa.net/videoFil2)

# CLINICAL STUDY

## Real-world outcomes of lip augmentation using a hyaluronic acid-based filler with low BDDE content: A prospective, open-label, multicenter, post-marketing study

Enrico Massidda, Sonia Ciampa, Ivano Iozzo, Enzo Emanuele, Piercarlo Minoretti

Cureus



qr.bionativa.net/agexVol

### Introduction

1,4-Butanediol diglycidyl ether (BDDE) is the most common cross-linker used to produce hyaluronic acid (HA)-based dermal fillers. However, BDDE may have cytotoxic and potentially mutagenic effects, raising safety concerns. Consequently, manufacturers are developing new HA filler formulations with reduced BDDE levels to mitigate potential biological risks.

### Aim

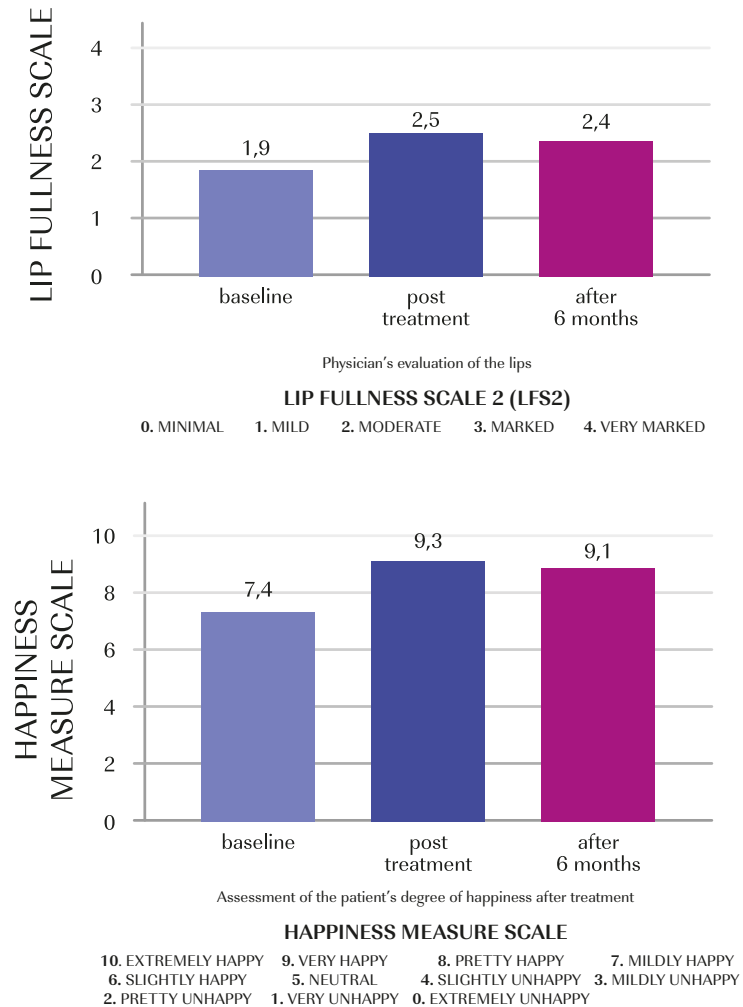
To evaluate the clinical outcomes of lip augmentation performed using a HA-based filler with a reduced BDDE content (Agex Fill Volume®) in a real-world clinical setting.

### Results

Of the study participants, 73% (22/30) demonstrated an improvement of at least one point in their LFS2 scores post-treatment compared to baseline, thus qualifying as responders. **Six months later, the responder rate, based on LFS2 scores, remained steady at 66.7% (20/30).** Importantly, these aesthetic improvements were consistently associated with a positive impact on subject-reported HMS, with a significant difference ( $p < 0.001$ ) between post-treatment and baseline scores. All adverse events reported after treatment were mild.

### Conclusions

Agex Fill Volume®, a HA filler with low BDDE content, provides a safe and effective option for enhancing lip volume in real-world aesthetic settings.



# AGEX *fill*

## ULTRA

### FEATURES

- RESTORATION OF DEEP VOLUMES
- CORRECTION OF DEEP SKIN SAGGING

Ideal for restoring the deep volumes of the face and correcting deep skin sags.

#### Included in the packaging:

25 G x 38 mm cannula  
23 G x 19 mm needle

#### Also compatible with:

27 G x 13 mm needle

<b>DURATION</b>	5/6 months
<b>COMPOSITION</b>	Crosslinked hyaluronic acid + Linear hyaluronic acid
<b>DOSAGE</b>	1 ml
<b>MOLECULAR WEIGHT</b>	2 M Da + 1 M Da Crosslinked HA + 5% Linear HA 500.000 Da
<b>INJECTION POINT</b>	Hypodermis
<b>CONCENTRATION</b>	25 mg/ml
<b>PACKAGING</b>	1 pre-filled single-use syringe
<b>CROSS-LINKING AGENT</b>	Residual BDDE < 0,1 ppm
<b>ELASTIC MODULUS G'</b>	200 Pa
<b>VISCOUS MODULUS G''</b>	40 Pa

#### CROSSLINKING



#### VOLUME

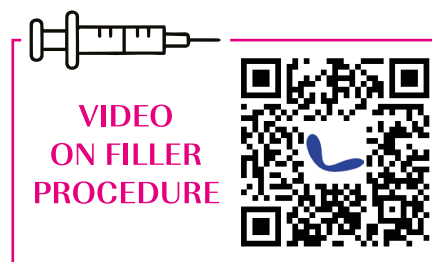


#### BIOSTIMULATION



MEDICAL DEVICE • Cl. III

- RINOFILLER
- SEVERE NASOLABIAL FOLDS
- SEVERE MARIONETTE WRINKLES
- REDEFINITION OF MANDIBULAR CONTOURS
- MALAR REGION
- FRONTAL REGION
- ZYGOMATIC REGION
- TEMPORAL REGION
- MEDICAL MENTOPLASTY



[qr.bionativa.net/videoFil3](http://qr.bionativa.net/videoFil3)

# IN VITRO STUDY

## Human dermal fibroblast response to hyaluronic acid-based injectable dermal fillers: an in vitro study

Simona Vari, Piercarlo Minoretti, Enzo Emanuele

FULL VERSION



qr.bionativa.net/fibroblast

### Introduction

Hyaluronic acid (HA)-based injectable dermal fillers (IDFs) used in aesthetic procedures may increase fibroblast activity and ultimately improve subcutaneous tissue quality.

### Aim

To further our understanding of fibroblast response to different commercial HA-based IDFs.

### Results

All tested IDFs elicited a higher release of type I collagen in NHDF culture supernatants, although Juvederm Voluma was found to induce the most pronounced increase. Agex Fill Ultra induced the highest production of type III collagen and elastin. Levels of TGF- $\beta$ 1 and type I collagen in cell culture supernatants were positively correlated to each other ( $r = 0.57$ ,  $p < 0.05$ ). Conversely, 8-OHdG concentrations were inversely associated with both type III collagen ( $r = -0.41$ ,  $p < 0.05$ ) and elastin ( $r = -0.46$ ,  $p < 0.05$ ).

### Conclusions

Juvederm Voluma resulted in a high formation of type I collagen

**AGEXFILL ULTRA** stimulated the production of type III collagen and elastin

Teosyal Ultra Deep and Belotero Intense did not stand out in the stimulation of collagen and elastin

Of the fillers tested, **AGEXFILL ULTRA** proved to be the best in terms of safety, having the least oxidising and genotoxic potential, measured through the biomarker 8-OHdG (oxidative DNA damage)

Type I collagen is more plumping, but is at the same time denser, more fibrous and less elastic than type III collagen. Type III collagen is typical of young skin

With age, type III collagen tends to decrease in the skin while type I increases

Oxidative DNA damage may contribute to an increased deposition of type I collagen, ultimately resulting in fibrotic sequelae

Table 1. Hyaluronic acid-based injectable dermal fillers tested in the study

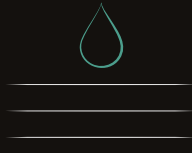
Filler name	Company	HA concentration [mg/ml]	Cross-linker	Properties
Agex Fill Ultra	Biodue SpA	25	BDDE	Consists of Crosslinked and linear (5%) hyaluronic acid; low BDDE content (< 0.01 ppm)
Juvederm Voluma	Allergan	20	BDDE	Consists of Crosslinked hyaluronic acid (produced by Streptococcus equi) in physiologic buffer
Teosyal Ultra Deep	Teoxane SA	25	BDDE	Characterized by a high amount of Crosslinked HA with a high elastic modulus and high cohesivity
Belotero Intense	Merz	25.5	BDDE	Characterized by a high amount of Crosslinked HA; cohesive (monophasic) polydensified filler

**AGEXFILL ULTRA** stimulates an 'elastic' oriented phenotype, whereas Juvederm Voluma stimulates a 'fibrous' phenotype (as also shown by the increase in TGF- $\beta$ 1)

Our findings suggest that a low BDDE may favor the expression of type III collagen and elastin

# AGEX

## TC<sup>3</sup>-1



Non-aggressive exfoliation

Acts on the stratum corneum and granular layer of the epidermis.

- ◆ Superficial scars
- ◆ Minor discolourations
- ◆ Wrinkles
- ◆ Acne, comedonic phase
- ◆ Acne, papulo-pustular phase

COMPOSITION

20% ELIXIR 3X

Exclusive blend of 12% Trichloroacetic Acid, Mandelic Acid\*, Kojic Acid\*.



### MAIN FEATURES

- Brightens the complexion and evens out mildly uneven pigmentation
- Smooths fine lines and improves skin texture
- Helps reduce superficial scarring and post-acne marks
- Supports the treatment of papulopustular acne through keratolytic and antibacterial activity
- Well tolerated by most skin types, including sensitive skin
- Ideal for preventive anti-aging protocols and maintenance treatments

5 x 5 ml vials  
MEDICAL DEVICE • Cl. IIA

## GENERAL USE GUIDELINES

### 1. SKIN PREPARATION

Cleanse the skin with a gentle, non-irritating cleanser. Leave on for 2 minutes if desired, then rinse with water.



Liposkin  
Bioma Spuma

### 2. APPLICATION ADVICE

**Face and neck: 1 cc**

**Face, neck and décolleté: 2 cc**

Apply with nitrile gloves or a soft brush, massaging gently and gradually applying pressure until absorbed, taking care that the product does not accumulate in the folds of the face.

Apply first to the central areas of the face (T-zone) as these are the areas with the most sebaceous glands, then to the outer areas.

For sensitive/reactive skin, test the product behind the ear first to see how the skin reacts.

### 3. RECOMMENDED LEAVE-ON TIME

**TC<sup>3</sup>-1:** up to 8 minutes

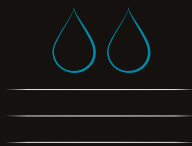
**TC<sup>3</sup>-2:** up to 6 minutes

Observe the skin's reaction and ask the patient to quantify the burning or itching sensation. If redness, tingling or burning occurs before the indicated time, rinse immediately with water or apply a wet cotton pad.

*To induce frost formation, extend the contact time beyond the redness threshold until a white frost appears, then rinse thoroughly.*

# AGEX

## TC<sup>3</sup>-2



### Active exfoliation

Acts on the entire thickness of the epidermis.

- ◆ Medium to superficial scars
- ◆ Major dyschromia
- ◆ Wrinkles
- ◆ Acne, scar phase

COMPOSITION

**30% ELIXIR 3X**

Exclusive blend of 20% Trichloroacetic Acid, Mandelic Acid\*, Kojic Acid\*.



5 x 5 ml vials  
MEDICAL DEVICE • Cl. IIA

### MAIN FEATURES

- Visibly reduces medium to superficial scars and scarring from acne
- Smooths wrinkles and improves overall skin texture and tone
- Stimulates collagen production and dermal regeneration
- Supports the treatment of post-inflammatory hyperpigmentation and photodamage
- Suitable for corrective anti-aging and restructuring protocols



#### 4. POST-TREATMENT

Rinse with water. Apply a soothing and moisturising cream, and continue to do so over the following days if necessary.



IMMEDIATELY AFTER TREATMENT AND FOR THE FIRST 4-5 DAYS

**Xeronorm PRX**  
to soothe redness and burning

#### 5. BEAUTY ROUTINE AT HOME

Consult the specific beauty routines for each protocol. A daily sun protection is also essential.



IN THE MORNING:  
**AGEX Defence Spot**  
protects the skin from sun exposure and prevents blemishes

# AGEX *fluid*

Based on collagen and hyaluronic acid promoting skin tone, elasticity and hydration, reducing wrinkles and preventing their appearance.

- ◆ Skin ageing
- ◆ Skin dryness
- ◆ Supporting anti-ageing treatments (dermal fillers, lasers, peeling)

## ACTIVE SUBSTANCES

### HYDROLYZED COLLAGEN (Verisol®)

Bovine collagen peptides obtained through an enzymatic hydrolysis process. They stimulate fibroblasts to synthesize new collagen and elastin and provide the essential amino acids for their synthesis. Improves skin elasticity and reduces wrinkles after 4 weeks.

### HYALURONIC ACID

Obtained through bio-fermentation. Thanks to the high ability to recall and bind water, it improves skin hydration and tone.

### ZINC GLUCONATE

It is involved in various skin processes, such as skin morphogenesis, repair mechanisms and skin ageing control.

### COPPER GLUCONATE

It is involved in the activity of numerous enzymes. Among these we find lysyl oxidase, necessary for the cross-linking of collagen and elastin, and tyrosinase which catalyzes the synthesis of melanin.

### BIOTIN

It plays a role in the synthesis of fatty acids, fundamental for skin health.



15 x 25 ml

**GLUTEN FREE**  
**NATURALLY LACTOSE FREE**  
**ORANGE FLAVOUR**

(ALSO AVAILABLE WITH MARINE COLLAGEN)

### FREQUENCY OF USE

It is recommended to take one vial a day. Do not exceed the recommended daily dose. Shake well before use.

### COMPOSITION

WATER, HYDROLYZED COLLAGEN (VERISOL®), FRUCTOSE, SODIUM HYALURONATE, PRESERVATIVE: POTASSIUM SORBATE, NATURAL ORANGE FLAVOUR, ZINC GLUCONATE, COPPER GLUCONATE, BIOTIN, ACIDITY REGULATOR: CITRIC ACID.

### NUTRITIONAL INFORMATION

	for 1 vial	***RNV for vial
Hydrolyzed collagen	4 g	
Sodium hyaluronate	136 mg	
Zinc	1,5 mg	15%
Copper	0,15 mg	15%
Biotin	50 µg	100%

\*\*\*RNV = percentage reference nutritional value (EU Reg. 1169/2011)

# EXTRACT FROM CLINICAL STUDY ON VERISOL®

Oral intake of specific bioactive collagen peptides reduces skin wrinkles and increases dermal matrix synthesis

Proksch E., Schunck M., Zague V., Segger D., Degwert J., Oesser S. - Skin pharmacol physiology, December 2013

## Materials and Methods

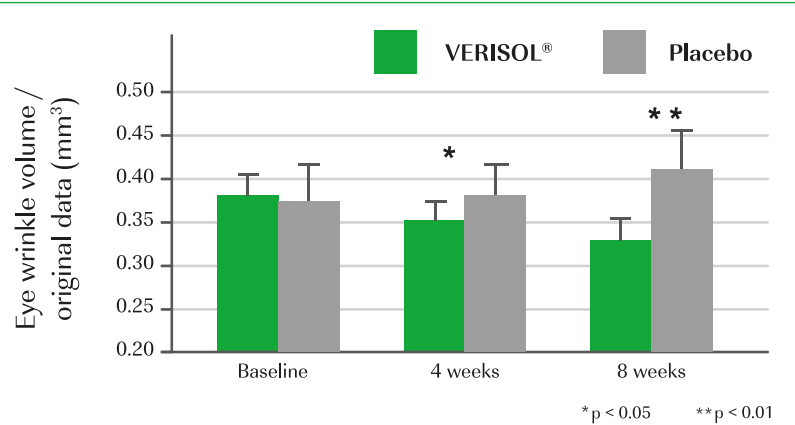
114 healthy female subjects, (aged 45-65) were randomized to receive 2.5 g of VERISOL® or placebo, once daily for 8 weeks.

## Results

The ingestion of hydrolyzed collagen promoted a statistically significant reduction of eye wrinkle volume in comparison to the placebo group after 4 and 8 weeks (20%) of intake (Fig. 1 a,b).

After 8 weeks of intake a statistically significantly higher content of procollagen type I (65%) and elastin (18%) (Fig. 2).

Fig. 1 a

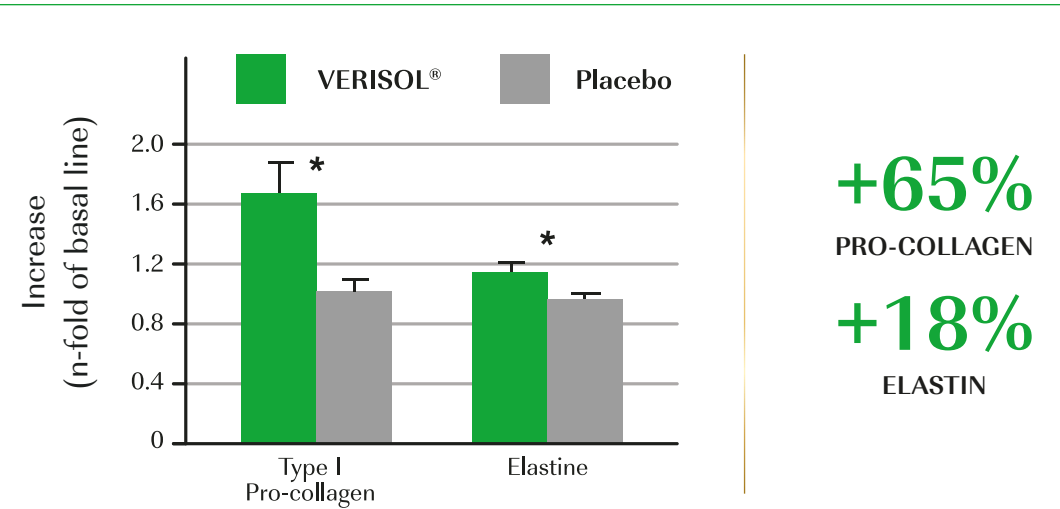


**WRINKLE ATTENUATION**  
**-20.1%**  
after 8 weeks



Fig. 1 b

Fig. 2



# AGEX SERUM SPOT

Specific serum for the treatment of the main skin hyperpigmentations. It contains a high concentration of active ingredients with depigmenting action. It can be used alone in the easier-to-treat hyperchromias or in combination with dermatological treatments (peeling, laser..) in the more complex ones.



30 ml

DERMATOLOGICALLY TESTED  
NICKEL TESTED

- ◆ Sunspots
- ◆ Melasma
- ◆ Post-inflammatory hyperpigmentations
- ◆ Senile spots, in combination with depigmenting treatments

ACTIVE SUBSTANCES

### 3% TRANEXAMIC ACID

It prevents the binding of plasminogen to keratinocytes, reducing the formation of prostaglandins and other melanogenic factors and consequently reducing the production of melanin and the inflammatory response.

### ARBUTIN

Reduces the melanin content through dose-dependent reduction of tyrosinase activity in melanocytes.

### NIACINAMIDE

Reduces hyperpigmentation by inhibiting the transfer of melanosomes from melanocytes to keratinocytes. Prevents the occurrence of damage caused by chronic exposure.

### ASCORBYL GLUCOSIDE

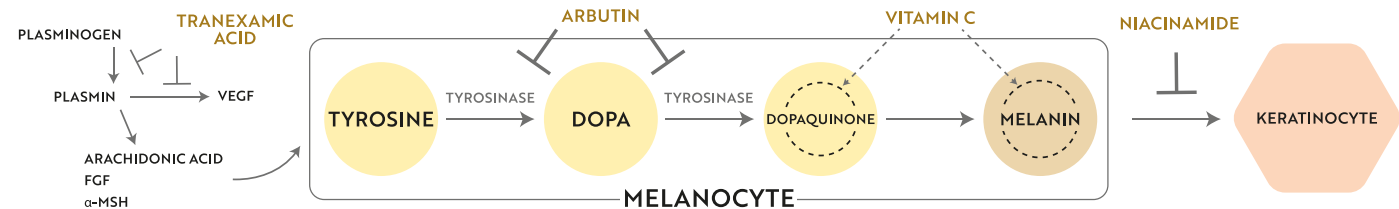
Vitamin C stabilized through reaction with a glucose molecule, in such a way as to guarantee protection from oxidation and preserve the antioxidant activity of vitamin C. Vitamin C interacts with copper ions in the active site of tyrosinase, inhibiting the activity of the enzyme and reducing the formation of melanin. In addition, it reduces the pigment of melanin, promoting the brightness of the face.

### INSTRUCTIONS FOR USE

The serum is intended for every day use, preferably both in the morning and evening. Apply 4/6 drops of serum on the face and massage in. When used in the morning, it is advised to follow up with a proper sun screen and to avoid sun exposure.

### INGREDIENTS

AQUA, NIACINAMIDE, GLYCERIN, TRANEXAMIC ACID, ARBUTIN, ASCORBYL GLUCOSIDE, POLYSORBATE 20, XANTHAN GUM, DISODIUM EDTA, CHLORPHENESIN, SODIUM HYDROXIDE, SODIUM DEHYDROACETATE, PARFUM.



# EXTRACT FROM CLINICAL STUDY

Observational study on the use of Agex depigmenting Serum Spot combined with Q-switched laser for the treatment of melasma

Dr. G. Scarcella

## Protocol

The protocol involved treatment with Q-Switched laser sessions (a minimum of 3 sessions to a maximum of 6) at 3/5 week intervals.

Between sessions, application of Agex Serum Spot twice a day.



PATIENT D: Melasma forehead and upper lip skin. Photographs taken with CANFIELD's CanfieldVISIA Facial Imaging System (polarised VISIA, UV spots and brown spots). Before treatment and after the third laser session.



PATIENT F: Post-inflammatory hyperchromia of a probable melasma of the skin of the nasal dorsum and left cheekbone. VISIA photos (spots and brown spots). Before and after two laser sessions.

# IN VITRO STUDY

Comparison with a 4% hydroquinone cream. Reduces melanin content.



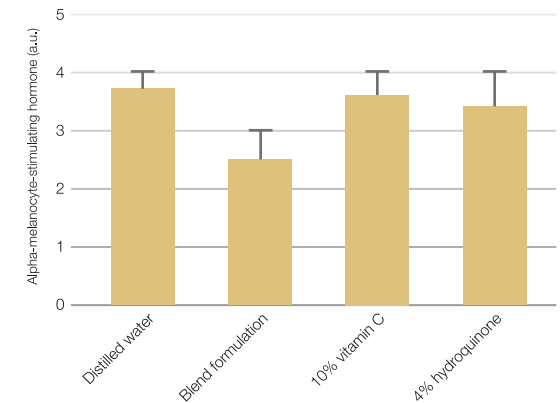
FULL VERSION

[qr.bionativa.net/serum](http://qr.bionativa.net/serum)

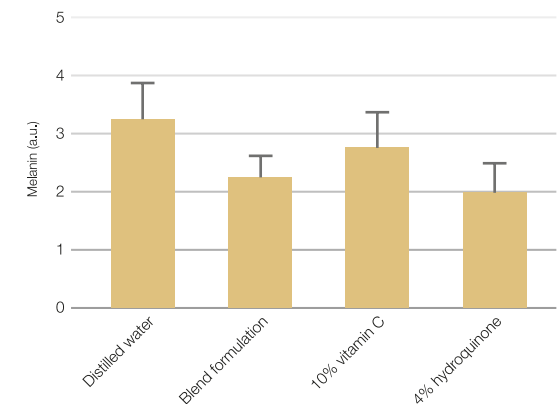
## Comparative Efficacy of Skin-Lightening Formulations in Suppressing Ultraviolet B (UVB)-Induced Arachidonic Acid, Alpha-Melanocyte-Stimulating Hormone ( $\alpha$ -MSH), and Melanin Expression: An In Vitro Keratinocyte-Melanocyte Co-culture Study.

S. Ribero, A. Romani, C. Mattozzi, P. Minoretti

Agex Serum Spot reduces the release of melanotropic hormone. Effect not observed with hydroquinone 4% and vitamin C 10%. (Melanotropic hormone stimulates melanogenesis)



Agex Serum Spot and Hydroquinone reduce melanin content more effectively than vitamin C at 10%. There is no statistically significant difference between Agex Serum Spot and Hydroquinone



# AGEX DEFENCE SPOT

Very high protection sunscreen that helps prevent hyperpigmentation and even out the complexion. Contains antioxidant vitamin E and a plant complex of Papaya, Guava and Saxifrage extracts with lightening and brightening action. Lightweight and fast-absorbing texture.

- ◆ Prevents the appearance of new spots<sup>1</sup>
- ◆ Reduces the visibility of spots<sup>1</sup>
- ◆ Improves skin luminosity<sup>2</sup>
- ◆ Improves the overall appearance of the skin<sup>3</sup>

SELF-ASSESSMENT TEST ON 20 SUBJECTS  
WITH DYSCHROMIA AND SPOTS.  
(Application every morning for 4 weeks)

- <sup>1</sup> in 70% of the subjects
- <sup>2</sup> in 80% of the subjects
- <sup>3</sup> in 90% of the subjects



**LIGHTWEIGHT,  
FAST-ABSORBING TEXTURE**

**WATER-RESISTANT**

**DERMATOLOGICALLY TESTED  
ON SENSITIVE SKIN**

**NICKEL TESTED**

## ACTIVE SUBSTANCES

**VITAMIN E**  
Antioxidant

**PLANT COMPLEX WITH EXTRACTS OF PAPAYA,  
GUAVA AND SAXIFRAGE:**

**- SAXIFRAGE**

Herbaceous plant whose flowers have antioxidant and lightening properties due to their ability to inhibit melanin synthesis.

**- CARICA PAPAYA**

Has a high papain content, an enzyme that increases cell renewal through exfoliation.

**- GUAVA**

Exotic fruit native to Central and South America. It is rich in vitamin C, vitamin A, B vitamins and minerals. It is also rich in lycopene.

## HOW TO USE

Apply the product generously to the face before sun exposure and spread evenly, avoiding contact with the eyes. Reapply frequently to maintain protection especially after sweating or after getting wet or dry.

## INGREDIENTS

AQUA, DIBUTYL ADIPATE, BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE, DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE, ETHYLHEXYL SALICYLATE, ETHYLHEXYL TRIAZONE, DICAPRYLYL CARBONATE, GLYCERYL STEARATE CITRATE, METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL, PROPANEDIOL, ACRYLATES/C12-22 ALKYL METHACRYLATE COPOLYMER, BEHENYL ALCOHOL, HYDRATED SILICA, HYDROGENATED DIMER DILINOLEYL/DIMETHYLCARBONATE COPOLYMER, TOCOPHERYL ACETATE, AMMONIUM ACRYLOYLDIMETHYLTAURATE/VP COPOLYMER, GLYCERIN, HYDROXYACETOPHENONE, SODIUM STEAROYL GLUTAMATE, DECYL GLUCOSIDE, PARFUM, CAPRYLYL GLYCOL, ARGININE, ALLANTOIN, BUTYLENE GLYCOL, COCO-GLUCOSIDE, 1,2-HEXANEDIOL, XANTHAN GUM, BISABOLOL, CARICA PAPAYA FRUIT EXTRACT, PSIDIUM GUAJAVA FRUIT EXTRACT, SAXIFRAGA SARMENTOSA EXTRACT, SODIUM GLUCONATE, LACTIC ACID, HEXYL CINNAMAL, DISODIUM LAURYL SULFOSUCCINATE, BENZYL SALICYLATE, HEXAMETHYL INDANOPYRAN, PROPYLENE GLYCOL, GLYCYRRHETINIC ACID, SODIUM METABISULFITE, SODIUM SULFITE, TARTARIC ACID, LINALYL ACETATE, VANILLIN, TOCOPHEROL, DISODIUM EDTA.

## DEPIGMENTING PROTOCOL

Agex Defence Spot  
(before and after exposure)



Agex Serum Spot  
(morning and night)



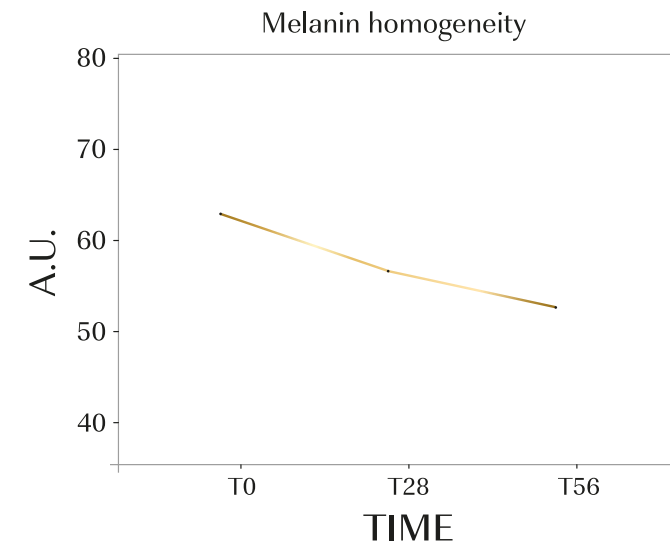
## CLINICAL EFFECTIVENESS TEST:

### Combined Agex Serum Spot + Agex Defence Spot protocol

- Evens out the complexion and reduces the visibility of spots after just 4 weeks
- Reduces skin pigmentation and melanin index, -16% after 56 days

Instrumental analysis. Measured with MEXAMETER MX 18 (U.A. arbitrary units)

Self-assessment test on 20 individuals with dyschromia and spots.



# AGEX BLUE SHIELD

Agex Blue Shield is a fast absorbing cream gel. The formula is enriched by precious components that cooperate towards the reduction of age marks. This cream specifically acts on expression wrinkles and protects the skin against damage from natural and blue light (UV and IR).

- ◆ Skin ageing prevention and treatment
- ◆ Expression lines
- ◆ Prevention of skin ageing induced by blue light

## ACTIVE SUBSTANCES

### ACETYL HEXAPEPTIDE-8 (Argireline® Amplified)

Its activity is similar to the one of botulinum toxin, but without side effects. It inhibits the activity of the presynaptic neuron and consequently the muscle contraction, inducing a relaxation of the facial mimic muscles and the relaxation of expression lines.

### MICROENCAPSULATED RETINOL

Acting on cell regeneration systems, it improves the skin barrier and reduces TEWL. It stimulates the synthesis of collagen, elastin and hyaluronic acid and inhibits their degradation. The microencapsulation in shells of natural biopolymers guarantees the stability and effectiveness of retinol.

### LOW MOLECULAR WEIGHT HYALURONIC ACID

Thanks to the low molecular weight it manages to penetrate into the deepest layers of the skin, where it attracts and binds water, improving skin hydration and making the skin more toned.

### SWEET ALMOND OIL

Rebalances the hydrolipidic content of the skin. It has emollient, nourishing and elasticising properties.

### COPPER TRIPEPTIDE-1

Promotes cell regeneration, increasing the production of components of the dermal matrix such as collagen and elastin.

### SOLAR FILTERS AND BLUE LIGHT (Lumicease®)

Prevents and reduces the signs of photoaging caused by natural light and the blue light of electronic devices.



50 ml

DERMATOLOGICALLY TESTED  
ON SENSITIVE SKINS

NON PHOTSENSITIZING

NICKEL TESTED

## INSTRUCTIONS FOR USE

Apply in the morning after facial cleansing.

## INGREDIENTS

AQUA, GLYCERIN, DICAPRYLYL CARBONATE, PRUNUS AMYGDALUS DULCIS OIL, GLYCINE SOJA OIL, HYDROLYZED PEA PROTEIN, HYDROLYZED WHEAT PROTEIN, HYDROGENATED PHOSPHATIDYLCHOLINE, COPPER TRIPEPTIDE-1, ACETYL HEXAPEPTIDE-8, RETINOL, SODIUM HYALURONATE, BENZOPHENONE-4, SORBITAN OLEATE, SODIUM OLEATE, CHITOSAN, CARBOMER, TOCOPHERYL ACETATE, SODIUM SUCCINATE, SODIUM CHLORIDE, GLUCOSE, CELLULOSE GUM, ACRYLATES/C 10-30 ALKYL ACRYLATE CROSSPOLYMER, GLYCOLIC ACID, SODIUM HYDROXIDE, POLYSORBATE 20, BENZYL ALCOHOL, GLYCERIL CAPRYLATE, GLYCERYL UNDECYLENATE, PARFUM.

# BIBLIOGRAPHIC EVIDENCE

## LUMICEASE®

Efficacy test: protection against blue light

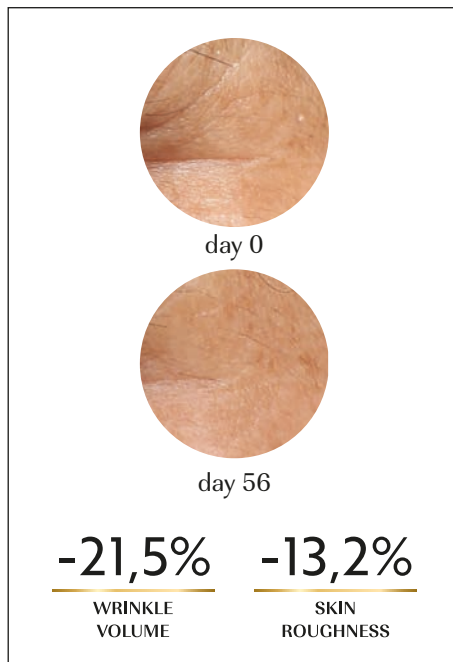
### Materials and Methods

20 female volunteers (35-55 years old); Cream containing 2% Lumicease® and placebo cream, half face.

### Protocol

Twice a day; 28 days avoiding sun exposure (Lumicease) + 56 days of solar and artificial blue light exposure (skin protection and repair).

#### PROTECTION AGAINST BLUE LIGHT



## ARGIRELINE®

Efficacy test: wrinkles and roughness reduction

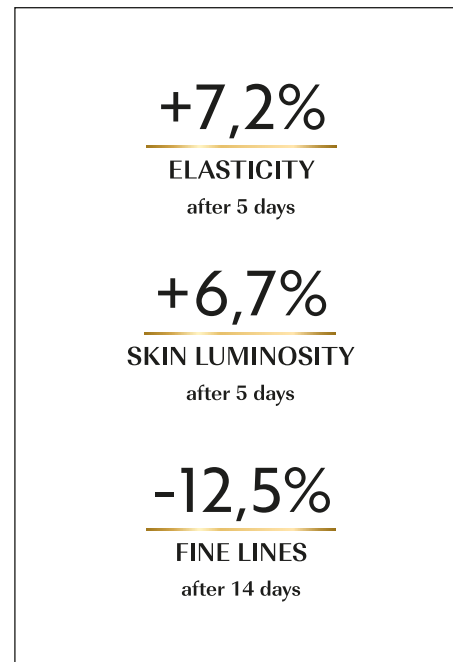
### Materials and Methods

41 female volunteers (35-59 years old); Cream containing 2% Argireline® Amplified peptide solution and placebo cream, half face.

### Protocol

Twice a day for 28 days.

#### REDUCTION OF EXPRESSION WRINKLES



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# AGEX

by PHARCOS

FEEL NATURAL BEAUTY

[agexbeauty.com](http://agexbeauty.com)