

# AnteAGE MD®

Growth Factors & Cytokines







# Welcome to the future of Aesthetic medicine

## Table of Contents

**04** WELCOME TO THE FUTURE OF SKINCARE

**06** GROWS FACTORS PRODUCTS

**12** HAIR REGENERATION

**18** RESULTS



# Stem Cell Growth Factors & Cytokines

Human cells naturally produce hundreds of growth factors and cytokines, which function as signaling molecules between cells. These cells work to instruct the body’s metabolic processes. Growth factors have been established as the highest level of optimization in anti-aging skincare.

**Growth Factors applied to the skin topically mimic the effect of having more of these valuable, powerful stem cells.**

Biosignals produced as the result of laboratory culturing of different cell types vary greatly – some can be anti-aging while others offer a pro-aging result. Multiple peer reviewed studies have determined that lab-cultured growth factors and cytokines derived from adult human bone marrow stem cells are primarily anti-inflammatory and anti-aging – making them extremely beneficial to skin and hair.

Mesenchymal stem cells originating from bone marrow are the most powerful and versatile cell population found in the human body. They are able to transform into a myriad of cell types in order to help fight against injury and inflammation. As these cells leave the bone marrow and travel throughout the body, they act as command and control centers by directing the process of healing to minimize overall damage.

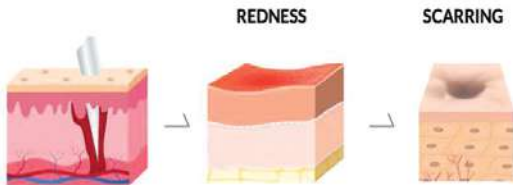
AnteAGE MD® pioneered the science of reactivating the skin’s natural regenerative properties by utilizing our proprietary PolyGF technology to mimic our body’s own growth factors and restore youthful skin. The scientists behind AnteAGE® have harnessed the power of these recombinant growth factors to encourage your skin to behave youthfully and heal beautifully.

## Inflammation and Aging

Pro Aging in All Tissues

### ACUTE INFLAMMATION

Short-term immune response that is a result of infection, injury, trauma, wounding (i.e. cosmetic treatments)



### CHRONIC INFLAMMATION

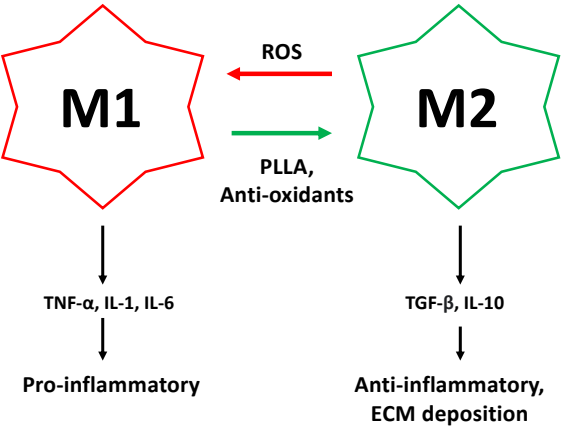
Long-term and ongoing

Associated with visible signs of aging

Can present in redness, pigment changes, wrinkles and scarring (i.e. inflammaging)

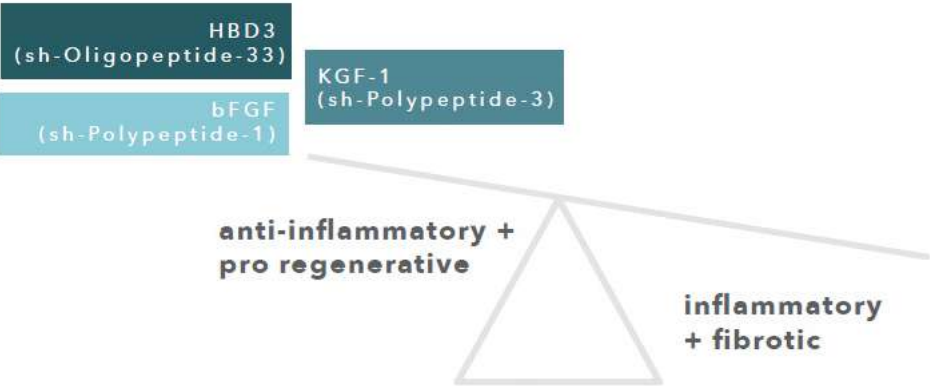


Erlich G. et al. (2024). ‘New collagen synthesis by Injectables and Energy Based Devices: A Narrative review’



TGF-β - Transforming growth factor-β; TNF-α - Tumor Necrosis Factor α;  
ROS - reactive oxygen species; PLLA -  
IL - interleukin; ECM - extracellular matrix; M - Macrophage

The balance beam illustration shows the nature of growth factors and defensins as balancing protein biosignals, regulating and offsetting inflammatory and fibrotic bio signals, effectively canceling their aging effects.



# Growth Factor Solution

At Clinic

## AnteAGE MD® Growth Factor Solution

2 ml Vial Rollerball (Box of 5) | All Skin Types, All Ages

The **AnteAGE MD® Growth Factor Solution** contains growth factors Poly GF: TGFB3 +IL 10 and more which replicate our body's natural stem cell biosignals, enhancing skin response to aesthetic treatments. Encapsulated in nano-lipid-carriers and combined with non-crosslinked high molecular weight hyaluronic acid - this solution will put your treatment outcomes into a new category.

### APPLICATION & USAGE

Cleanse and disinfect the skin. Apply to the section area prior to treatment. At the end of the procedure, apply an additional layer and massage in. Patient may want to take home Hyaluronic Acid to continue applying to the skin for the next 24 hours.

### KEY SELLING POINTS

- Can be used to enhance ablative and non-ablative treatments including microneedling, laser, and RF.
- Contains only pure ingredients which mimic those native to the human body.
- Highly anti-inflammatory, reduces redness post treatment resulting in an overall better recovery.
- Simple to use, can be applied via rollerball or drawn into a syringe and massaged into skin.



### Key Ingridients & Functions:



# Serum & Accelerator System

At Home

## AnteAGE MD® Serum & Accelerator System

1 oz (30 ml) | All Skin Types, All Ages

**AnteAGE MD® System** is a powerful duo to take on all of your skin concerns in just two simple steps.

The AnteAGE MD® Serum restores and protects with a fast absorbing formula of concentrated recombinant growth factors and antioxidants.

AnteAGE MD® Accelerator is packed with powerful actives including vitamins C and E, bakuchiol, a retinol alternative, and growth factors to activate repair at the cellular level.

Use both products daily to improve the health and appearance of skin at any age.

Use serum pre-procedure to prep the skin for optimal recovery.

Use post-procedure as a topical adjuvant following laser, microneedling, abrasive, and other ablative or collagen inducing treatments.

### APPLICATION & USAGE

AM/PM. On clean skin, massage 2-3 pumps of AnteAGE MD® Serum into face and neck until absorbed. Proceed with 2-3 pumps of AnteAGE MD® Accelerator.

### KEY SELLING POINTS

- Contains the ingredients needed for healthy skin, including vitamin C, E, and bakuchiol (retinol alternative).
- Formulated with nano-lipid envelopes to ensure delivery.
- Bio-identical recombinant growth factors.
- Calming and soothing, perfect for sensitive, damaged skin.
- Safe for women who are pregnant or breastfeeding.



### Key Ingridients & Functions:





# Brightening Solution

At Clinic

## AnteAGE MD® Brightening Solution

2ml Rollerball Vials (Box of 5) | All Skin Types, All Ages

**AnteAGE MD® Brightening Solution** contains the same powerful rejuvenating growth factors Poly GF: TGFB3 +IL 10 and more, cytokines as our classic Growth Factor Solution with an added boost of Tranexamic Acid 8% and other melanin synthesis blocking actives. Our unique brightening treatment corrects uneven skin tone and encourages a naturally brighter complexion. Formulated to attack multiple pigmentation pathways, our AnteAGE MD® Brightening Solution is the only product on the market to effectively brighten and target discoloration at the cellular level without drying, irritation or inflammation. High molecular weight, hyaluronic acid provides lubrication and slip for your microneedling device and is a powerful humectant that promotes rapid re-hydration and volume enhancement within the upper layers of the skin.

### APPLICATION & USAGE

Clean and disinfect skin.  
Divide treatment area into sections per protocol.  
Apply Brightening Solution to each section immediately prior to treatment.  
Apply again to all treated areas at end of procedure.  
Avoid unnecessary exposure to direct sun.

### KEY SELLING POINTS

- Designed to safely target melanin production at deeper levels.
- High molecular weight hyaluronic acid provides slip and promotes rapid re-hydration and volume enhancement.
- Tranexamic Acid has no allergic immune response when needled into the dermis.
- Tyrosinase inhibitor blocks pigment from being created at the cellular level.
- The only growth factor based product to target all pathways of pigmentation.



# Brightner

At Home

## AnteAGE MD® Brightener

1 oz (30 ml) | All Skin Types, All Ages

**The AnteAGE MD® Brightener** contains powerful ingredients to reveal glowing, healthy skin. This unique Brightener smooths uneven skin tone and encourages a naturally brighter complexion. Tranexamic acid, engineered peptides, and growth factors combine to fade discoloration without drying or irritation – revealing balanced and radiant skin. AnteAGE MD® Brightener can be used daily with any other AnteAGE MD® products and in conjunction with cosmetic treatments.

### APPLICATION & USAGE

Apply 2-3 pumps to fingertips. Massage into face, neck, chest or other affected areas. Allow skin to naturally absorb Brightener before applying additional product.  
  
May be applied twice daily until desired results are achieved. Discontinue if skin becomes irritated and consult your doctor. Use daily sun protection and avoid unnecessary exposure to direct sun.

### KEY SELLING POINTS

- The only growth factor product to defend against all pathways to unwanted pigmentation.
- Non-sensitizing and non-phototoxic.
- Safe for all skin types and Fitzpatrick levels.



AnteAGE® Biogel

1 oz (40 ml)

**AnteAGE® Biogel** occlusive dressing represents a new class of occlusive designed to regenerate damaged tissue, reduce trans-epidermal water loss, restore skin barrier integrity and mitigate microbial invasion following ablative and semi-ablative procedures. Renewable vegetable-based lipids replace commonly used petroleum and silicone compounds, while a combination of a skin native anti-microbial peptide, plus a purified elderberry extract contributes to the bacteriostatic and anti-inflammatory properties of the product. Vitamin E supports skin conditioning and provides potent antioxidant support against lipid peroxidation in cellular membranes. TGFb3 promotes scarless, regenerative wound healing, while a blend of skin barrier mimetic lipids, ceramides, cholesterol, and phytosterols contribute to the products ability to rapidly repair skin barrier function.

pH: n/a (anhydrous)

PURPOSE

Reduce trans-epidermal water loss and contamination post procedure  
Decrease inflammation and bacterial risks  
Restore skin barrier function  
Provides a protective layer over treated skin  
Promotes rapid healing  
Enhances procedural outcomes and results

APPLICATION & USAGE

Apply immediately after ablative and semi-ablative skin resurfacing and rejuvenation procedures.  
Repeat multiple, daily application throughout the healing period.  
Do not apply immediately after microneedling.

Key Ingridients & Functions:



AnteAGE® Eye

0.5 oz/15 ml | All Skin Types, All Ages

**AnteAGE® Eye** is a powerful, yet gentle solution designed to target the signs of aging in the delicate eye area. This silky, rapidly penetrating formula will help to improve the appearance of lines, wrinkles, puffiness, and under-eye darkness. Loaded with potent antioxidants to defend the eye tissue from free radicals, peptides that firm and tighten the skin, a retinol-analog to stimulate collagen, brightening agents to soften hyperpigmentation, and skin barrier lipids to support tissue integrity and deeply hydrate while minimizing crepiness.

APPLICATION & USAGE

Apply a small amount to your ring finger and gently spread over the eye area, upper and lower lids, twice daily. A little goes a long way. Avoid getting the product into the eyes. Apply before Serum and Accelerator.

KEY SELLING POINTS

- Gentle yet effective serum for the delicate eye area.
- Deeply hydrates and softens the skin.
- Powered by repairing Growth Factors
- For all skin types.
- Targets lines, puffiness and dark circles.

Key Ingridients & Functions:





# Hair Treatment Solutions



Want to Grow Hair?  
**We can help.**

Hair Regeneration is one of the fastest growing, most exciting fields in aesthetics. Our team of experts can help you start providing treatments without expensive devices or invasive procedures.

**Contact Us Today.**



## AnteAGE MD® Hair Growth Factor Solution

2 ml Vial Rollerball (Box of 5)

**AnteAGE MD® Hair Growth Factor Solution** is formulated with the most recent advances in hair follicle science. Nine bio-identical recombinant growth factors responsible for hair follicle replication and regeneration give you a consistency that is unachievable with other modalities. Formulated in a hyaluronic acid base and validated by multiple clinical trials, this is the most scientifically advanced product of its type.

### APPLICATION & USAGE

- Hair should be clean and free of any hair dressing.
- Apply topical analgesic per protocol.
- Clean and disinfect skin.
- Divide treatment area into sections per protocol.
- Apply to each section immediately prior to treatment.
- Apply again to all treated sections at end of procedure.



Key Ingridients & Functions:



### KEY SELLING POINTS

- Can be used alone or to enhance other treatment options such as PRP.
- Less expensive, invasive, time consuming and labor intensive than PRP or surgery.
- Recombinant biosignals activate the WNT-1a pathway.
- Contains anti-inflammatory, recombinant growth factors which are targeted and focused toward hair regeneration.
- Can be applied via rollerball application or drawn in a syringe and massaged into scalp.
- Contains 9 bio-identical recombinant growth factors and cytokines to stimulate hair follicles.





AnteAGE MD® Home Hair System

AnteAGE MD® Hair Serum (1 oz.)  
Microchannel Stamp (0.25mm)  
Thickening Brush  
Sanitizer Vial

All skin/hair types, all ages.

The AnteAGE MD® Home Hair System simplifies hair regrowth treatments at home by combining all the tools needed to stimulate hair follicles and promote natural, healthy hair growth, without surgery or hormonal side effects.

The power in the system comes from WNT1 Growth Factors that specifically signal to the dormant stem cells inside the hair follicles to regenerate and return to normal growth patterns. We have combined these growth factors with polybotanicals proven to stimulate circulation and blood flow while keeping inflammation low.

The application of Hair Serum comes with a handheld dermal needling device to enhance product penetration and a thickening brush to gently stimulate blood flow and follicles.



Key Ingridients & Functions:



APPLICATION & USAGE

Apply several drops Hair Serum to clean scalp, avoiding as much hair as possible, in thinning areas. Cleanse delivery devices with rubbing alcohol before and after treatment. For ease of use, apply Hair Serum in the evening and allow product to absorb as you sleep. Using the Home Hair System consistently will yield the best results.

**Standard (5 times weekly):** Use the Thickening Brush or fingertips to spread the Hair Serum and massage in using small circles for 10-20 seconds per area. It is not necessary to press hard, the product will naturally absorb.

**Advanced (1-2 times weekly):** Apply a few drops of Hair Serum to a clean scalp and use the Microchanneling Stamp to gently press up and down over entire treatment area. The tiny needles create microchannels in the scalp that will aid in the delivery of the growth factors from the Hair Serum. You do not need to press hard with the stamp.

The Home Hair System works best when paired with professional hair treatments such as PRP or Microneedling. Your patients may want to start using the Home System before, in between, and for ongoing maintenance following in-office treatments.

KEY SELLING POINTS

- Reduces the rate of hair loss and promotes new growth
- Increases hair fullness, density and overall hair texture
- Contains recombinant growth factors specially treated to influence signaling towards the WNT1 pathway for follicle regeneration – an industry first.
- Includes Jak-STAT biosignal molecule to induce anagen phase hair growth.
- Formulated with a Hyaluronic Acid base, and no toxic ingredients seen in other solutions.
- Additional recombinant growth factors responsible for hair follicle replication and regeneration are added to activate dormant stem cells within the hair follicle
- Can be used post-procedure on hair transplants to initiate healing response.



SKINCARE  
Clinical Results

AFTER SIX WEEKS:



Products Used:



BRIGHTENING SOLUTION



GROWTH FACTOR SOLUTION

AFTER FOUR DAYS:



Products Used:



SERUM



ACCELERATOR



HOME MICRONEEDLING



CLEANSER

AFTER SIX WEEKS:



Products Used:



SERUM



ACCELERATOR



GROWTH FACTOR SOLUTION

AFTER SIX WEEKS:



Products Used:



BRIGHTENING SOLUTION



GROWTH FACTOR SOLUTION

HAIR REGENERATION  
Clinical Results

AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM

AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM

AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM

AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM



# AnteAGE MD®

Growth Factors & Cytokines

מקדור: 0925 | CAT\_ANTE\_0323\_DR\_EN