



# AnteAGE MD®

Growth Factors & Cytokines

**AnteAGE MD®**  
Growth Factors & Cytokines

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The background features a dynamic, abstract pattern of swirling teal and black liquid. Interspersed throughout are numerous glowing, circular elements of varying sizes, resembling cells or bubbles, which are brightly lit against the dark background.

Welcome to the  
Future of Skincare

# 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.



ANTEAGE MD®

## Serum (30 ml)

The AnteAGE MD® Serum restores and protects with a fast-absorbing formula of concentrated recombinant growth factors and antioxidants including Vitamin B3. This aqueous formula quickly absorbs into your skin with a high concentration of physiologically balanced ingredients fortified with recombinant growth factors, and classical actives such as peptides and antioxidants, yield a robust and rational skincare system wrapped in nanolipid carriers for enhanced penetration.

#### INGREDIENTS:

Water (Aqua), Cetyl Ethylhexanoate, Niacinamide, Dimethyl Isosorbide, Polyacrylate-13, Glycerin, Hydrolyzed Myrtus Communis Leaf Extract, Butylene Glycol, Carbomer, Polysorbate 20, Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7, Polyisobutene, Benzyl Alcohol, Salicylic Acid, Sorbic Acid, Carnosine, Ilex Paraguariensis Leaf Extract, Sorbitan Isostearate, Maltodextrin, Disodium EDTA, Phenoxyethanol, Ethylhexylglycerin, Mannitol, Trehalose, sh-Polypeptide-5, sh-Oligopeptide-33, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-14, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-2, sh-Polypeptide-58

## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### NIACINAMIDE (VITAMIN B3):

Well researched benefits include an increase in epidermal ceramide and fatty acid levels, reduction of transepidermal water loss, reduction in unwanted pigmentation, supporting collagen synthesis and decreasing inflammation.

### CARNOSINE:

A dipeptide that targets the interaction of proteins and sugar molecules which create pro-aging advanced glycation end Products (or AGEs). Also acts as a powerful antioxidant.

### PALMITOYL OLIGOPEPTIDE:

Anti-aging peptide that stimulates the synthesis of collagen and hyaluronic acid in the deep layers of the skin. Provides mild UV protection, and has been shown to duplicate the effects of retinoids without the irritation.

### PALMITOYL TETRAPEPTIDE-7:

Anti-aging peptide complex that acts as a cellular messenger to stimulate collagen and hyaluronic acid to increase skin elasticity and tone. Synthesizes ECM and improves the visible appearance of wrinkles.

### CATECHINS & FLAVONOIDS:

Botanical based, well-researched anti-oxidants. The active constituents of these botanicals are powerhouse molecules that defend and protect the skin from environmental assault.

### RECOMBINANT TRANSFORMING GROWTH FACTOR BETA 3 (TGFB-3):

Regulates epidermal and dermal cells in healing skin - modulates inflammation and reduces scar formation.

### RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 (IGF-1):

This is the major mediator of growth hormone stimulated somatic growth and mediator of GH-independent anabolic responses.



ANTEAGE MD®

# Accelerator (30 ml)

The AnteAGE MD® Accelerator is a performance-driven formula rich in moisturizers and revitalizing actives. Beta-Defensin 3, Bakuchiol, and Vitamin C work to optimize skin tone and texture, while a host of additional actives nourish and protect the skin to support a healthy skin defense system, barrier integrity and microbiome.

This formula:

- Reduces the appearance of large pores and balances moisture levels
- Gently increases skin renewal at the cellular level
- Defends skin against environmental free radical damage
- Maximizes the rejuvenating effect of AnteAGE MD® Serum

#### INGREDIENTS:

Water (Aqua), Butylene Glycol, Hydroxypropyl Starch Phosphate, Glycerin, C12-15 Alkyl Benzoate, Caprylic/Capric Triglyceride, Cetearyl Alcohol, Tetrahexyldecyl Ascorbate, Bakuchiol, Tocopheryl Acetate, Ethyl Linoleate, Iris Florentina Root Extract, Citric Acid, Panthenol, Polyglyceryl-3 Diisostearate, Pentylene Glycol, Tamarindus Indica Seed Gum, Sodium Hyaluronate, Glyceryl Stearate, Sodium Stearoyl Lactylate, Tremella Fuciformis Sporocarp Extract, Betaine, Potassium Sorbate, Glycosphingolipids, Tasmania Lanceolata Fruit Extract, Syzygium Luehmannii Fruit Extract, Kunzea Pomifera Fruit Extract, Magnesium Aluminum Silicate, Simmondsia Chinensis (Jojoba) Seed Oil, Thioctic Acid, Ubiquinone, Xanthan Gum, Phenoxyethanol, Caprylyl Glycol, Ethylhexylglycerin, Hexylene Glycol, Limnanthes Alba (Meadowfoam) Seed Oil, Mannitol, Trehalose, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-5, sh-Oligopeptide-33

## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### SKIN MIMETIC LIPIDS:

A combination of ceramides, fatty acids and botanical oils that deeply condition, moisturize and nourish the skin's protective lipid barrier.

### TOCOPHERYL ACETATE (VITAMIN E):

Lipid soluble form of Vitamin E. Powerful antioxidant that prevents lipid peroxidation and defends against suns UV rays.

### TETRAHEXYLDECYL ASCORBATE (VITAMIN C):

Lipid soluble and highly stable form of Vitamin C. Supports healthy collagen production, acts as a powerful free radical scavenger and reduces unwanted pigmentation.

### PANTHENOL (PRO-VITAMIN B5):

Acts as a humectant and moisturizer and stimulates collagen production.

### UBIQUINONE (COENZYME Q10):

Responsible for generating cellular respiration and energy (ATP) within the mitochondria. Powerful, lipid soluble antioxidant.

### SODIUM HYALURONATE:

Sodium salt of hyaluronic acid. Humectant that draws water into the extracellular space within the skin. Rapid increase in hydration and volume.

### IRIS IVOFLAVONES:

Plant-derived molecule acting as a phytoestrogen. Studies show it may prevent photo-aging, stimulate hyaluronic acid production and reduce skin dryness.

### BAKUCHIOL:

A novel, plant-derived, retinoid-like molecule that activates retinoic acid receptor activity without the irritation of retinoids; stimulates collagen and elastin; anti-oxidant; anti-inflammatory; anti-microbial.

### MUNTHARI, RIBERRY, & TASMANIAN PEPPERBERRY EXTRACTS:

A complex blend of three superfruit berries with powerful anti-oxidant and anti-inflammatory characteristics. Increases skin hydration and radiance.



ANTEAGE MD®

## Brightener (30 ml)

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

*\*Use daily sun protection with SPF 30+ while using this product.  
Avoid unnecessary exposure to direct sun.*

### INGREDIENTS:

Water (Aqua), Caprylic/Capric Triglyceride, Tranexamic Acid, Tetrahexyldecyl Ascorbate, Cetearyl Phosphate, Niacinamide, Acetyl Glucosamine, Squalane, Polyacrylate-13, Phytol, Bisabolol, Galangin, Oligopeptide-51, Morus Alba Leaf Extract, Camellia Sinensis Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Lecithin, Helianthus Annuus (Sunflower) Seed Oil, Sodium PCA, Polyisobutene, Polysorbate-20, Dehydroacetic Acid, Benzyl Alcohol, Propanediol, Sodium Hydroxide, Disodium EDTA, Tocopherol, sh-Polypeptide-5, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-14, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-2, sh-Polypeptide-58, sh-Oligopeptide-33, sh-Oligopeptide-1, Trehalose, Mannitol

## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### TRANSFORMING GROWTH FACTOR BETA 3 (TGFB-3):

Regulates epidermal and dermal cells in healing skin, modulates inflammation and reduces scar formation.

### NIACINAMIDE (VITAMIN B3):

Well-researched benefits include an increase in epidermal ceramide and fatty acid levels, reduction of transepidermal water loss, reduction in unwanted pigmentation, supporting collagen synthesis and decreasing inflammation.

### TRANEXAMIC ACID:

A synthetic derivative of the amino acid L-Lysine, that has shown promise in reducing unwanted pigmentation via tyrosinase inhibition and reduction in Prostaglandin E2 production. It also acts as a UV induced pigment inhibitor.

### TETRAHEXYLDECYL ASCORBATE:

A stable, lipid-soluble and highly bioavailable form of Vitamin C that acts as a potent antioxidant, increases collagen production and reduces unwanted pigmentation by reducing the melanogenesis process.

### N-ACETYL GLUCOSAMINE (NAG):

A stable form of glucosamine with increased bioavailability that has proven to reduce melanogenesis and has an even greater performance when combined with Niacinamide.

### EPIDERMAL GROWTH FACTOR (EGF):

Epidermal Growth Factor promotes cellular growth and its effects on melanogenesis are hypothesized to be from accelerated wound healing.

### PHYTOL:

A naturally occurring diterpene that comes from the breakdown of chlorophyll in plants, proven to stimulate keratinocyte cell proliferation, upregulate PPAR activity and acts on retinoid-x receptors (RXR).

### ALPHA-BISABOLOL:

A natural terpene found in the chamomile plant. Its depigmentation activity comes from inhibition of the cAMP response element (CRE), which regulates the alpha-Melanocyte Stimulating Hormone (α-MSH) activity.

### LICORICE ROOT EXTRACT:

An isoflavonoid found in the licorice root that has numerous biological properties including being an anti-oxidant and anti-inflammatory. Its ability to augment melanogenesis comes from its tyrosinase inhibition potential.

### GALANGIN:

A flavonoid found in the ginger family of botanicals shown to have an inhibitory effect on tyrosinase activity by interacting with the catalytic sites of tyrosinase. The application significantly reduces melanogenesis induced by UVB exposure.

### OLIGOPEPTIDE-51:

A bioengineered peptide that inhibits tyrosinase activity via TRP-1 and TRP-2 expression. In addition, it supports cellular regeneration.

### MORUS ALBA LEAF EXTRACT:

Active constituent found within the Mulberry leaf proven to inhibit melanin biosynthesis. In addition, it exhibits superoxide scavenging activity and protection against cellular oxidation.

### CAMELLIA SINENSIS LEAF EXTRACT:

Active catechins, found within green tea, show strong anti-inflammatory properties and anti-melanogenic effects in skin.



ANTEAGE®

# Eye (15 ml)

AnteAGE® Eye is a powerful, yet gentle solution designed to target the signs of aging in the delicate eye area. This silky formula will help to improve the appearance of lines, wrinkles, puffiness, and under-eye darkness. This formula is 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.

#### INGREDIENTS:

Water, Glycerin, Propanediol, Coconut Alkanes, Hydroxypropyl Starch Phosphate, Acetyl Glucosamine, C13-15 Alkane, Niacinamide, Cetearyl Alcohol, Glyceryl Stearate, Punica Granatum Sterols, Coco-Caprylate/Caprate, Tetrahexyldecyl Ascorbate, Di peptide Diaminobutyroyl Benzylamide Diacetate, Bakuchiol, Caffeine, Jasminum Sambac (Jasmine) Flower Extract, Coffea Arabica (Coffee) Seed Extract, Glucosyl Ceramide, Salvia Hispanica Seed Oil, Agave Tequilana Leaf Extract, Lecithin, Phospholipids, Crataegus Monogyna Flower Extract, Cholesterol, Cetearyl Glucoside, Gleditsia Triacanthos Seed Extract, Epigallocatechin Gallatyl Glucoside, Maltose, Methylglucoside Phosphate, Copper Lysinate/Prolinate, Gallyl Glucoside, Propyl Gallate, Pullulan, Ascorbic Acid, Glutathione, Sodium Lactate, Betaine, Gold, Silica, Tetraacetylphytosphingosine, Acetyl Cysteine, Sorbitol, Tocopherol, Glycyrrhiza Glabra (Licorice) Root Extract, Sodium Hyaluronate, Sodium PCA, PCA, Serine, Alanine, Glycine, Glutamic Acid, Lysine HCL, Threonine, Arginine, Proline, Potassium Sorbate, Caprylyl Glycol, Lactic Acid, Phytic Acid, Dehydroacetic Acid, Trisodium Ethylenediamine Disuccinate, Lonicera Caprifolium (Honeysuckle) Flower Extract, Lonicera Japonica (Honeysuckle) Flower Extract, Sclerotium Gum, Citric Acid, Xanthan Gum, sh-Polypeptide-5, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-14, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-2, sh-Polypeptide-58, sh-Oligopeptide-33, sh-Oligopeptide-1, Trehalose, Mannitol

## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### ACETYL GLUCOSAMINE:

A stable form of Glucosamine with greater bioavailability. Proven to increase hydration levels, normalize epidermal desquamation, and reduce hyperpigmentation in skin.

### NIACINAMIDE (VITAMIN B3):

Well-researched benefits include an increase in epidermal ceramide and fatty acid levels, reduction of transepidermal water loss, reduction in unwanted pigmentation, supporting collagen synthesis and decreasing inflammation.

### TETRAHEXYLDECYL ASCORBATE:

A stable, lipid-soluble, and highly bioavailable form of Vitamin C that acts as a potent antioxidant, increases collagen production, and reduces unwanted pigmentation.

### DIPEPTIDE DIAMINOBUTYROYL BENZYLAMIDE

#### DIACETATE:

A low molecular weight, synthetic tripeptide that mimics the action of Waglerin-1 protein.

Inhibits muscle contraction synapse firing, working to smooth the appearance of expression lines, and soften the surface of the skin.

### BAKUCHIOL:

A novel, plant-derived, retinoid-like molecule that activates retinol binding and metabolizing genes, without the common retinoid irritation; stimulates collagen production; anti-oxidant; anti-inflammatory; anti-microbial.

### CAFFEINE/COFFEE SEED EXTRACT:

A liposomal preparation of caffeine and theobromine that has a lipolytic and draining action, reducing puffiness, dark circles and tightening of the eye area.

### ARABIAN JASMINE & HAWTHORNE EXTRACT:

Botanicals rich in flavonoids and glycosides that help to reduce permeability of blood vessels and capillaries, reducing the appearance of dark circles while helping to lift heavy eye hooding; anti-inflammatory, antiseptic and collagen stimulating.

### CHIA SEED OIL:

A highly enriched lipid fraction of chia seeds, standardized to contain a high concentration of Linoleic and Alpha Linolenic free fatty acids; deeply moisturizes, supports the skin barrier, protects against blue light, and acts as an antioxidant.

### AMINOBUTRYIC ACID:

A non-protein amino acid naturally present in the human body and produced via microbial fermentation. Relaxes expression lines, increases cell proliferation, strengthens barrier function, increases collagen production, increases HA synthesis, and promotes antioxidant glutathione production.

### OAK & GREEN TEA GALLATE GLUCOSIDES:

Glucoside fractions of Oak and Green Tea that are rich in antioxidants, anti-inflammatory properties, while reducing inflammatory cytokine production. Soothes irritated skin and reduces vascularity associated with dark circles.

### TETRAACETYLPHYTO-SPHINGOSINE:

An acetylated derivative of the phospholipid Phytosphingosine naturally present in the skin, that acts to stimulate pro-ceramides. Supports skin barrier function, acts as an antimicrobial supporting the microbiome, and reduces the appearance of dark circles.



ANTEAGE®

## Cleanser (120 ml)

The foundation of a good skin care routine begins with a clean canvas. AnteAGE® Cleanser is designed to provide a balanced approach to cleansing for all skin types. This gentle, foaming cleanser, enriched with essential fatty acids, anti-oxidants, anti-inflammatory botanicals, and detoxifying actives will thoroughly cleanse all traces of impurities, excess oil, and surface debris, while leaving the skin soft, soothed, hydrated, and balanced.

### INGREDIENTS:

Water (Aqua), Sodium Laurylglucosides Hydroxypropylsulfonate, Polyglyceryl-4 Caprylate, Sodium Chloride, Glycerin, Sodium Cocoyl Hydrolyzed Amaranth Protein, Gluconolactone, Sodium Cocoamphoacetate, Nymphaea Caerulea (Blue Lotus) Flower Extract, Ethyl Linoleate, Salix Nigra (Willow) Bark Extract, Camellia Oleifera (Green Tea) Leaf Extract, Zeolite, Sodium Hydroxypropylsulfonate Decylglucoside Crosspolymer, Lauryl Glucoside, Sodium Lauryl Glucose Carboxylate, Sodium Cocoyl Glutamate, Sodium Benzoate, Potassium Sorbate, Fragrance/Parfum



ANTEAGE®

## Home Microneedling System

(Two 2ml Treatment Vials and a Roller)

The AnteAGE® Home Microneedling System is an innovation in healthy, facial skin rejuvenation that utilizes stem cell growth factors to give skin a youthful appearance. The system contains two products - Microneedling Solution (hyaluronic acid and growth factors) and a micro derma roller (.25 mm). The shallow needle size works within the skin's top layer, stimulating a burst of collagen. These two products work together to reactivate the body's natural regenerative properties and reveal more youthful skin.

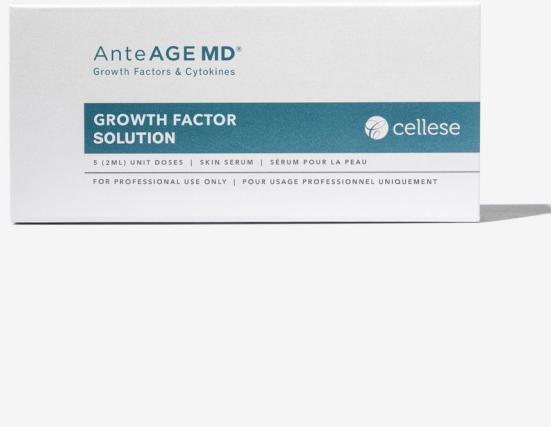
For best results, combining professional microneedling with home treatments are recommended.

#### INGREDIENTS:

Water (Aqua), Sodium Hyaluronate, Benzyl Alcohol, Dehydroacetic Acid, Trehalose, Mannitol, sh-Polypeptide-5, sh-Polypeptide-10, sh-Polypeptide-3, sh-Oligopeptide-33

# Treatment Solutions





ANTEAGE MD®

# Growth Factor Solution

(Five 2ml Treatment Vials)

AnteAGE MD® Growth Factor Solution contains anti-inflammatory growth factors and cytokines. Synthesized human TGF- $\beta$ 3 is added to reduce inflammation and promote less fibrotic healing. Hyaluronic acid provides lubrication and is a powerful humectant for rapid re-hydration and volume enhancement within the upper layers of skin.

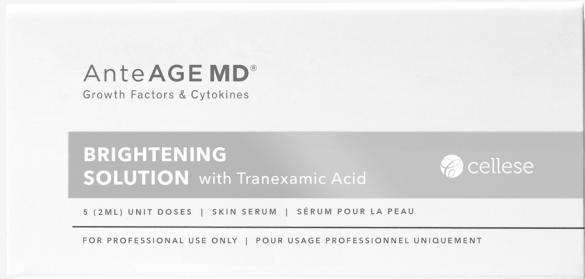
#### INGREDIENTS:

Water (Aqua), Sodium Hyaluronate, Benzyl Alcohol, Dehydroacetic Acid, sh-Polypeptide-14, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-2, sh-Polypeptide-5, sh-Polypeptide-58, sh-Oligopeptide-33, Trehalose, Mannitol

ANTEAGE MD®

# Brightening Solution

(Five 2ml Treatment Vials)



AnteAGE MD® Brightening Solution contains the same powerful rejuvenating growth factors as our classic Growth Factor Solution with an added boost of Tranexamic Acid and other melanin synthesis blocking actives. High molecular weight hyaluronic acid provides lubrication and slip for your device and is a powerful humectant that promotes rapid re-hydration of the skin.

Formulated to attack eight different 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.

#### INGREDIENTS:

Water (Aqua), Tranexamic Acid, Acetyl Glucosamine, Tetrapeptide-30, Nonapeptide-1, Sodium Hyaluronate, Benzyl Alcohol, Dehydroacetic Acid, sh-Polypeptide-5, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-14, sh-Polypeptide-66, sh-Polypeptide-67, sh-Polypeptide-2, sh-Polypeptide-58, sh-Oligopeptide-33, Trehalose, Mannitol

# Post-Treatment Recovery





ANTEAGE MD®

## Stem Cell Aftercare Kit

Our Stem Cell Aftercare Kits are a great way to ensure your patients get the best results from their aesthetic treatments while also introducing them to the healing benefits of the AnteAGE MD® Skincare System.

These kits will help to reduce redness and enhance the recovery process immediately following Microneedling, RF, Laser, and other ablative treatments.

### STEM CELL AFTERCARE KIT

AnteAGE MD® Serum (5ml)

AnteAGE MD® Accelerator (5ml)

AnteAGE® Hyaluronic Acid (5ml)

AnteAGE MD® Growth Factor Solution  
(2ml)

\*See individual product pages for ingredient lists.



ANTEAGE MD®

## Brightening Aftercare Kit

The AnteAGE MD® Brightening Aftercare Kit contains four products specially designed to encourage an even skin tone and enhance the recovery process immediately following Microneedling, RF, Laser, and other ablative treatments.

### BRIGHTENING AFTERCARE KIT

AnteAGE MD® Serum (5ml)

AnteAGE MD® Accelerator (5ml)

AnteAGE MD® Brightener (5ml)

AnteAGE MD® Brightening Solution (2ml)

\*See individual product pages for ingredient lists.



ANTEAGE®

## Biogel (40 ml)

AnteAGE® Biogel represents a new class of occlusive designed to reduce trans-epidermal water loss, restore skin barrier integrity, and mitigate microbial invasion following ablative and semi-ablative procedures.

Skin-identical ceramides, cholesterol, fatty acids, and phytosterols will rapidly restore skin barrier integrity, as Vitamin E supports skin conditioning and provides antioxidant reinforcement. Skin defense is boosted by natural antimicrobials while TGFb3 promotes scarless wound healing and rapid skin regeneration.

This formula has the ability to quickly restore skin barrier function making it the perfect post-procedure topical adjuvant following laser, abrasive, and other ablative skin treatments.

#### INGREDIENTS:

Carthamus Tinctorius (Safflower) Seed Oil, C12-15 Alkyl Benzoate, Caprylic/Capric Triglycerides, Silica, Punica Granatum (Pomegranate) Sterols, Sambucus Nigra (Elderberry) Fruit Extract, Tocopherol, Glucosyl Ceramide, Phospholipids, Cholesterol, Bisabolol, Stearyl Glycyrrhetinate, hBD3H (sh-Oligopeptide-33), Aquaporin (sh-Polypeptide-64), TGF-b3 (sh-Polypeptide-5)



ANTEAGE®

## Hyaluronic Acid (120 ml)

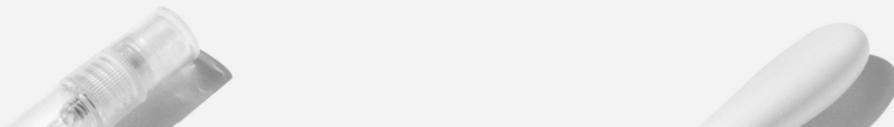
AnteAGE® Hyaluronic Acid gliding solution is designed to be used with microneedling, radiofrequency, microchanneling and all other advanced modalities where glide and slip are required. This formula contains a high percentage of high molecular weight (HMW) hyaluronic acid. Due to the clean nature of the formulation this glide is especially suitable to protect and soothe open skin and provides rapid hydration to compromised tissue.

INGREDIENTS:  
Water (Aqua), Hyaluronic Acid,  
Benzyl Alcohol, Dehydroacetic Acid



**Individual Size  
Also Available (5ml)**

# 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 Solution

(Five 2ml Treatment Vials)

AnteAGE MD® Hair 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 are added for a more targeted follicular focus. Formulated with a hyaluronic acid base and none of the toxic ingredients seen in other microneedling solutions making this the most scientifically advanced product of its type.

Can be used in conjunction with other traditional treatments, including PRP.

#### INGREDIENTS:

Water (Aqua), Sodium Hyaluronate, Benzyl Alcohol, Dehydroacetic Acid, sh-Polypeptide-73, sh-Polypeptide-62, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-13, sh-Polypeptide-8, sh-Polypeptide-4, sh-Polypeptide-5, sh-Polypeptide-9, Trehalose, Mannitol

## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### HYALURONIC ACID:

Excellent gliding agent; humectant; native to the skin; supports ECM.

### RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 (IGF-1):

This is the major mediator of growth hormone stimulated somatic growth and mediator of GH-independent anabolic responses.

### RECOMBINANT INSULIN-LIKE GROWTH FACTOR 2 (IGF-2):

This is the major mediator of growth hormone stimulated somatic growth and mediator of GH-independent anabolic responses.

### ACIDIC FIBROBLAST GROWTH FACTOR (FGF-1):

Stimulates hair growth by b-Catenin expression and inducing the anagen phase in resting hair follicles.

### BASIC FIBROBLAST GROWTH FACTOR (FGF-2):

Stimulates hair growth by b-Catenin expression and inducing the anagen phase in resting hair follicles.

### KERATINO CYTE GROWTH FACTOR (KGF):

Binds to the KGF receptor to stimulate hair growth. Stimulates epithelial cell proliferation, differentiation, and migration and promotes a number of cell protective mechanisms.

### KERATINO CYTE GROWTH FACTOR 2 (KGF-2):

Binds to the KGF receptor to stimulate hair growth. Stimulates epithelial cell proliferation, differentiation, and migration and promotes a number of cell protective mechanisms.

### STEM CELL FACTOR (SCF):

Expression of stem cell factor is necessary for the maintenance of differentiated melanocytes and for hair pigmentation.

### COLONY STIMULATING FACTOR 1 (CSF-1):

Immunomodulatory cytokine that regulates cell proliferation and differentiation, and may play an important role in regulating hair growth.

### PLATELET DERIVED GROWTH FACTOR ALPHA (PDGF-A):

Plays a role in stimulating the proliferation of dermal mesenchymal cells that contribute to the formation of the dermal papillae.

### ERYTHROPOIETIN (EPO):

Promotes hair shaft growth and modulation by stimulating dermal papilla cells.

### NOGGIN (NOG):

Cellular signaling required for induction of the hair follicle growth phase (Anagen).

### VASCULAR ENDOTHELIAL GROWTH FACTOR A (VEGF):

Strongest regulator of physiological angiogenesis. Induces proliferation of human hair follicle dermal papilla cells.

### C3PIPA:

Controls Janus kinase signal transducer and activator of transcription (JAK-STAT). Induces rapid onset of anagen and subsequent hair growth.

ANTEAGE®

# Home Hair System

(30ml + Devices)

The AnteAGE® Home Hair System is a breakthrough in the promotion of natural, healthy hair growth - without surgery or hormonal side effects. The system contains AnteAGE® Hair Serum that works to help awaken the sleeping stem cells inside the hair follicle and return them to a more youthful and active growth pattern. The application of Hair Serum is paired with a handheld dermal needling device (.25mm stamp) and thickening brush to enhance product penetration and follicle stimulation.

The AnteAGE® Hair System was designed to be applied up to five times each week and in between professional treatments.

#### HAIR SERUM INGREDIENTS:

Water (Aqua), Polysorbate 20, Cistanche Tubulosa Extract, Carthamus Tinctorius (Safflower) Seedcake Extract, Laminaria Japonica Extract, Ecklonia Cava Extract, Eclipta Prostrata Extract, Eucalyptus Globulus Leaf Extract, Forsythia Suspensa Fruit Extract, Malva Verticillata Flower/Leaf/Stem Extract, Phyllanthus Niruri Extract, Polygonum Multiflorum Extract, Pueraria Thunbergiana Root Extract, Porphyra Columbina Extract, Oryza Sativa (Rice) Bran Extract, Rosmarinus Officinalis (Rosemary) Extract, Sanguisorba officinalis Root Extract, Sargassum Muticum Extract, Thuja Orientalis Extract, Sophora Flavescens Root Extract, Acanthopanax Koreanum Extract, Angelica Polymorpha Sinensis Root Extract, Adiantum Capillus-Veneris Leaf Extract, Chlamydomonas Reinhardtii Extract, Panax Ginseng Root Extract, Adenosine, Tocopherol Acetate, Hyaluronic Acid, Caffeine, Baicalin, Quercetin, Carnitine, Benzyl Alcohol, Dehydroacetic Acid, Trehalose, Mannitol, sh-Polypeptide-11, sh-Polypeptide-1, sh-Polypeptide-73, sh-Polypeptide-72, sh-Oligopeptide-2, sh-Polypeptide-31, sh-Polypeptide-3, sh-Polypeptide-10, sh-Polypeptide-13, sh-Polypeptide-8, sh-Polypeptide-4, sh-Polypeptide-9, Curcurbitacin B



## Key Ingredients:

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### POLYGF:

Recombinant analog of human stem cell growth factors.

### L-CARNITINE:

Amino acid that serves an important function in energy metabolism. Increases energy supply to the anagen hair matrix. Stimulates human scalp hair growth by up regulation of proliferation and down regulation of apoptosis in follicular keratinocytes.

### CAFFEINE:

Counteracts DHT induced miniaturization of the hair follicle by inhibition of phosphodiesterase. Increase in cAMP levels promotes cell proliferation by stimulating cellular metabolism.

### BAICALIN:

A botanical flavonoid with multiple hair growth promoting effects in follicular dermal papilla cells. In addition to enhancing WNT signaling, Baicalin induces the expression of IGF-1 and VEGF and speeds the conversion of hair growth cycle from telogen to anagen.

### ADENOSINE:

A nucleoside that up regulates the expression of VEGF and FGF-7 in dermal papilla cells. Reduces follicular miniaturization and thickens hair.

### QUERCITIN:

Botanical flavonoid and antioxidant with strong anti-inflammatory properties. Studies show it inhibits PGD2 levels in the scalp, a prostaglandin that is 3x higher in the scalp of men with thinning hair, and reduces inflammation levels.

### CUCURBITACIN B:

Active constituent found in bitter melon and squash. Terpene derivative shown to interfere with the production of a metabolic by-product of testosterone known as DHT (dihydrotestosterone). Elevated levels of DHT contribute to follicular miniaturization. This isolated terpene has been shown to directly inhibit the Jak-STAT cell signaling pathway. Research has shown that pharmacological inhibition of this intracellular pathway promotes rapid hair regrowth by triggering follicular anagen entry; with a synergistic activation of the master Wnt pathway.

### ROSEMARY EXTRACT:

Active constituents in Rosemary include rosmarinic acid, ursolic acid, and 12-methoxycarnosic acid (12-MCA). These are shown to have direct anti-androgenic and anti-inflammatory activity, with a significant inhibitory effect on 5-alpha reductase. Rosemary increases localized circulation within the scalp, bringing vital nutrients to nutrient-starved follicles.

### POLYGONUM MULTIFLORUM EXTRACT:

An herb used in traditional Chinese medicine with known pharmacological activity including immunomodulating, anti-inflammatory, and anti-aging. Active constituents include 2,3,5,4'-tetrahydroxystilbene-2-O-b-d-glucoside (THSG), which has been shown to have a melanogenesis-stimulating effect in follicular melanocytes, leading to the potential darkening of hair, while torachrysone-8-O-b-d-glucoside induces a strong proliferation of dermal papilla cells while increasing the hair fiber length in follicles. An increase in fibroblast growth factor-7 (FGF-7), sonic hedgehog, and B-catenin pathways promote rapid hair regrowth and rapid introduction into the anagen growth phase.

### PANAX GINSENG EXTRACT:

A popular herb in both eastern and western cultures with pharmacological effects including anti-aging, immunoregulatory, lipid-regulating, and wound healing activity. The most pharmacologically active constituent in Ginseng is Ginsenoside. Studies have shown that this molecule upregulates the expression of vascular endothelial growth factor (VEGF) in human dermal papilla cells within the follicles, leading to an increased nutrient supply while also protecting these cells from premature death, or apoptosis.

### ECLIPTA PROSTRATA EXTRACT:

An annual plant widely used in traditional Asian medicine with known antioxidant and anti-inflammatory properties. Its hair growth promoting effects are due to an upregulation of fibroblast growth factor-7 (FGF-7), promoting the induction and elongation of the active anagen phase of growth. In addition, this botanical has shown to stimulate follicular keratinocyte proliferation while delaying terminal differentiation of the dermal papilla cells by downregulating transforming growth factor beta-1 (TGFb-1), a fibrotic promoting protein that inhibits normal follicular development. Promotion of melanogenesis in the follicle can also lead to hair darkening.

## SKINCARE

# Clinical Results

AFTER SIX WEEKS:



AFTER FOUR DAYS:



Products Used:



SERUM



ACCELERATOR

Products Used:



SERUM



ACCELERATOR



HOME



CLEANSER

AFTER SIX WEEKS:



AFTER SIX WEEKS:



Products Used:



SERUM



ACCELERATOR



GROWTH FACTOR  
SOLUTION

Products Used:



SERUM



ACCELERATOR

## HAIR REGENERATION Clinical Results

AFTER EIGHT WEEKS:



AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM

Products Used:



HAIR SOLUTION



HOME HAIR SERUM

AFTER EIGHT WEEKS:



AFTER EIGHT WEEKS:



Products Used:



HAIR SOLUTION



HOME HAIR SERUM

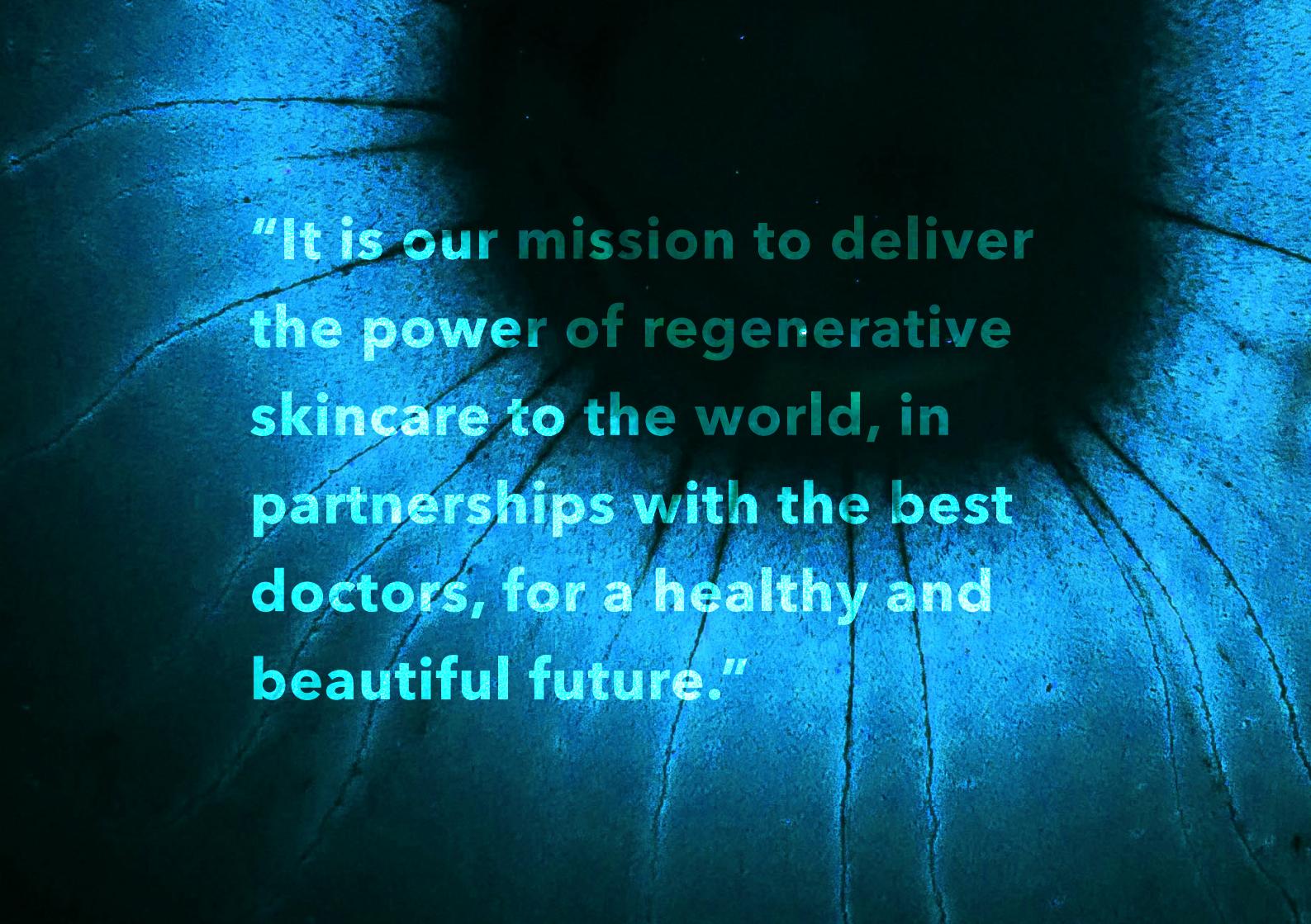
Products Used:



HAIR SOLUTION



HOME HAIR SERUM



**"It is our mission to deliver  
the power of regenerative  
skincare to the world, in  
partnerships with the best  
doctors, for a healthy and  
beautiful future."**

We believe that the future of beauty is health – inside and out.

Our skincare technologies rest on a holistic understanding of health down to the cellular level. We capture the power of the human body's own regenerative systems to restore and maximize skin health at any age.

The products we have developed are the result of many years of laboratory and clinical research into the healing power of bone marrow stem cells and the application of this knowledge to aesthetics and dermatology. These products are now being used by many top doctors and aesthetic practices worldwide – because they work.

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Growth Factors & Cytokines

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