

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 SELLING POINTS

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

KEY INGREDIENTS & FUNCTIONS

PolyGF

Recombinant analog of human stem cell growth factors.

Hyaluronic Acid

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

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.

Insulin-Like Growth Factor 2 (IGF-2)

Regulates cell growth, differentiation, and metabolism; essential for healing and growth.

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.
Keratinocyte 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.
Keratinocyte 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 (CG-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.
Mannitol	Cytoprotective, reduces toxic effect of TNFa.

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