



## PROCELL THERAPIES' HAIR REGROWTH SERUM

### How it Works

As we age, increased Dihydrotestosterone (DHT) levels can effectively put the dermal papilla/hair follicles into a telogen, “sleeping” phase. If hair remains in a telogen phase long enough, the follicle cannot be reactivated, and balding occurs. Procell Therapies Hair Regrowth Serum (HRS) disrupts the occupation of receptors on the dermal papilla prone to DHT contamination, re-awakening dormant follicles to grow hair once again.

Treatment works best on younger patients who have just begun balding, but impressive results have been seen even in older patients.

Additionally, thinning hair may be caused by a scalp damaged by a dry climate, nutrition, stress, certain drugs, chlorine, and/or environmental exposure. Over many years, the skin of the scalp produces less growth factors and becomes less efficient at repairing the damage. Because of this, the condition of the scalp can eventually deteriorate to the point where it hardens (fibrosis) or hair follicles become miniaturized. In the case of fibrosis, hair cannot grow through the hardened scalp. Miniaturization renders the hair follicles unable to perform their normal growth cycle. Both conditions can lead to a cessation of hair production and the death of hair follicles.

Stem cells lining the hair follicles are crucial for the production of hair, and the GF-technology ingredients in this concentrated serum are selected to provide support to these stem cells, so hair can re-grow. HRS improves the overall condition of the scalp, rejuvenating damaged hair follicles and increasing the circulation of nutrients for healthy hair.

HRS incorporates recent advances in hair follicle science. Specialized techniques influence bone marrow mesenchymal stem cell cultures to produce conditioned media focused on hair growth while twelve bio-identical growth factors and cytokines, each with proven efficacy in hair follicle stimulation, are added to make this the most scientifically advanced product of its type.

### Ingredients:

Water (Aqua), Human Bone Marrow Stem Cell Conditioned Media, Benzyl Alcohol, Dehydroacetic Acid, Hyaluronic Acid, IGF-1 (sh-Oligo peptide-2), IGF-2 (sh-Polypeptide-31), aFGF (sh-Polypeptide-11), bFGF (sh-Polypeptide-1), KGF (sh-Polypeptide-3), SCF (sh-Polypeptide-4), KGF-2 (sh-Polypeptide-10), CSF-1 (sh-Polypeptide-73), PDGF-A (sh-Polypeptide-8), EPO (sh-Polypeptide-72), Noggin (sh-Polypeptide-13), CG-VEGF (sh-Polypeptide-9).