



# ALOPECIA TREATMENT

## COMPOSITION - 10ml

Azelaic acid 20mg, D-Panthenol 500mg, Biotin 20mg and Pyridoxine 200mg and Zinc 0.100mg

## INDICATION

For Mesotherapy treatment designed for prevention and treatment for Alopecia and hair growth stimulant.

## ACTION

**AZELAIC ACID** - is a hair growth stimulant that is found in some whole grains and in trace amounts in human bodies. It's current use in medicine as topical cream by prescription and is used in the treatment of acne. A research report by Stamatiadis in 1988 suggested that azelaic acid combinations of zinc and vitamin B6 was a strong type I 5-alpha reductase (5-AR) inhibitor.

**ZINC:** an enzyme inhibitor of 5 alpha-reductase activity. At high concentrations, zinc could completely inhibits the enzyme activity.

**PYROXIDINE** - is Vitamin B6, a water soluble compound it plays a vital role as the cofactor of a large number of essential enzymes in the human body. In hair loss treatment, Vitamin B6 potentiated the inhibitory effect of zinc. Hair growth stimulant.

**D-PANTHENOL** - also called vitamin B5. It is converted in the organism to the acid form. Pantethine is the bioactive form. There is energy production at the hair follicle

**BIOTIN:** vitamin H or B7, It is converted to carboxybiotin, acting as a cofactor in carboxylation and carboxyl radicals in the biosynthesis of fatty acids.

## CONTRAINDICATIONS

This treatment is not advisable for pregnant and lactating woman.

Allergic reactions from MesoAge Alopecia Treatment are rare, however, treatment should be stopped if any of allergic reaction symptoms begin to develop.

## MATERIALS

- Needle 32G x 4mm & Single Use 5cc Syringe

## LOCATIONS TECHNIQUE DEPTH DOSAGE MIXTURES PER SYRINGE

Locations	Techniques	Depth	Dosage	Volume	Mixture
Diffuse or Regional Alopecia	Point by Point	1-2mm	0.1cc	1 - 2 syringes per session	2.5cc - Meso Hair 0.5cc - Silicum 0.5cc - Procaine
Circumscribed Alopecia - Frontal - Fronto, Parieto, Occipital - Vertex	Nappage	1mm	0.05cc	1 - 2 syringes per session	2.5cc - Meso Hair 0.5cc - Silicum 0.5cc - Procaine

Begin with Point by point technique with first syringe to the chronic area then finish with Nappage.

Silicum may add with Andropceia to intensify the hair regrowth. Procaine will act as a vasodilator.

## FREQUENCY:

1 SESSION EVERY 7 DAYS: 5 SESSIONS - 1 SESSION EVERY 15 DAYS: 2 SESSIONS - 1 SESSION EVERY 30 DAYS: 2 SESSIONS - 1 SESSION EVERY 3 MONTHS: MAINTENANCE

WASH HAIR A DAY PRIOR TO THE SESSION, AFTER EACH SESSION DO NOT WASH HAIR, WAIT AFTER 24 HOURS.