

Nanogaine Product Guide

nanogaine® Re-growth treatment More re-growth than Minoxidil

- Help to ward off hair loss by inhibiting Superoxide and Sebum output
- Stimulate hair growth by expanding the Anagen (growth) phase and shortening the Telogen (resting) phase of the hair
- Reduce inflammation in the hair follicle



Long-term Use



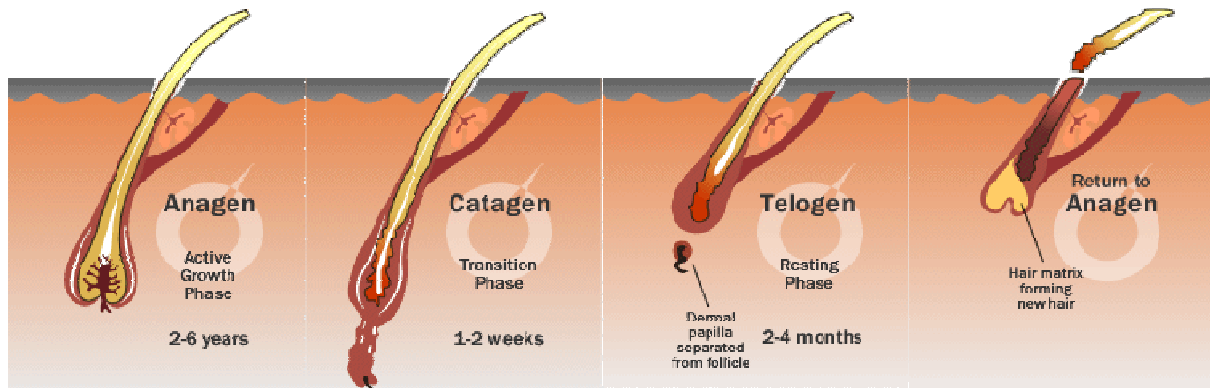
It is a fact of any hair re-growth product, whether topical or oral, that its application must be ongoing to maintain results.

Both Minoxidil and Nanogaine work by releasing the Nobel Prize-winning Nitric Oxide molecule (NO), which acts as a chemical messenger to the hair follicles. In fact, that is what the NO stands for in Minoxidil and Nanogen. Minoxidil is unfortunately only soluble in

alcohol solutions and consequently causes incredibly dry and flaky scalp over long-term use. Furthermore, this drying effect damages the hair follicle.

Nanogaine represents a breakthrough in hair re-growth technology as its formulation is water soluble and thus can be used for years without any reported adverse effects. With Nanogaine, you get all the benefits of Nitric Oxide, without the downsides of an alcohol-based product.

The life cycle of a hair



In a normal scalp, approximately 90% of hairs are in the Anagen phase and 10% in either the Catagen or Telogen phase. In cases of Alopecia, the number of hairs in the Anagen phase drops, while the number of hairs falling out (Telogen phase) rises.

Clinical trials show that Nanogaine can increase the number of hairs in the Anagen phase by +15%, at the same time decreasing the number of hairs in the Telogen phase.

Without Nanogaine

Nitric Oxide (NO) + Free Radical = Peroxynitrite

Nitric Oxide (NO) occurs naturally in the scalp and is essential for healthy hair growth.

Free Radicals are ever-present in the scalp and cause cell damage.

Peroxynitrite is formed when a reaction occurs between NO and free radicals. Peroxynitrite has been shown to be detrimental to the health of the hair follicle.

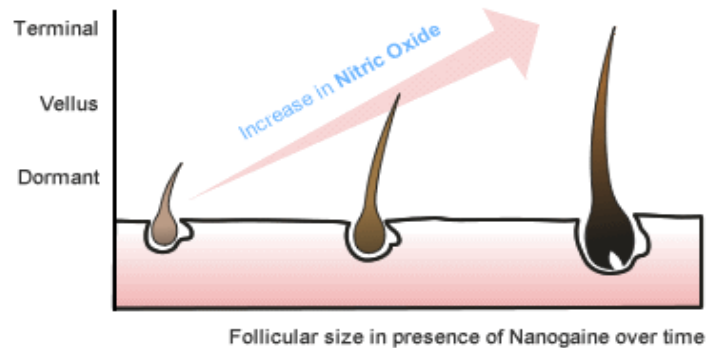
Superoxide Dismutase (SOD) is a naturally occurring enzyme, present in every cell and specialising in the quenching of large volumes of the free radicals which attach to Nitric Oxide.

How Nanogaine Works

Nanogaine quenches Free Radical + SOD quenches Free Radical = LESS Peroxynitrite + MORE Nitric Oxide (NO)

Nanogaine contains the bio-mimetic form of SOD which is present in high concentration to boost the natural free radical scavengers within every hair cell.

Re-grow your hair with Nanogaine



The Nitric Oxide (NO) pathway exists within every hair cell. Increased presence of intracellular Nitric Oxide has been shown to increase the size and section of the hair follicle (left). Conversely, Peroxynitrite has been shown to be detrimental to the health of the hair follicle. Superoxide Dismutase (SOD) therefore has a double hair growth stimulation effect - more NO and less Peroxynitrite.

What else does Nanogaine contain other than patented 'bacterial filtrate SOD peptides'?

Capilecti™ has been shown to expand the Anagen (growth) phase and shorten the Telogen (resting) phase by 17%. Capilecti is a lectin-like glycoprotein helping to agglutinate hair follicle cells together.

Lo-Seb™ is a complex of homotaurine, bacterial filtrate peptides and marine derived sulphomucopolysaccharide extract. Lo-Seb reduces sebum output by 16% and is effective in normalising Seborra often implicated in alopecia. Lo-Seb also has been shown to increase the percentage of hair in the Anagen (growth) phase by 15% (from 74.6% to 85.5%)

Questions and Answers

How long will a pack of Nanogaine last?

Each pack of Nanogaine is designed to last 1 month of application.

How do I apply nanogaine, and at what times are optimal?

Full details on how to apply are printed on the carton.

When should I expect to see results?

The time taken to see result varies between individual and for some, little results are achieved. It would be the same for users of Minoxidil. Some people respond excellently and others do not respond at all. However in all cases, users would be advised to allow at least 3 months of application in order to assess results.

Do I need to use Nanogaine forever?

Yes. Every clinically proven hair loss treatment without exception MUST be used indefinitely. For most people this is not as daunting as it first sounds – especially with Nanogaine.

First off, Nanogaine is water-based, so unlike Minoxidil, it does not dry the hair and scalp even with long-term use. Secondly, not being a tablet whose effects are systemic, it does not have side effects. Besides a lot of people just want to extend the 'life' of their hair for a further 10 years or just slow down the loss, so you don't have to use it forever, just if you want to maintain result you will do. Applying Nanogaine takes less time than putting in your contact lenses, just 5 minutes or less.

Are there any side effects from using Nanogaine?

This is the greatest feature of Nanogaine. Unlike Minoxidil, which must be dissolved in ethanol (alcohol), the Nanogaine actives are water-soluble. This was our breakthrough. This means that you can get all the benefit from 'topical NO supplementation' without drying the hair. It is a very important factor when one remembers that Minoxidil must be used for the rest of your life, or hair re-grown/stopped from falling out, will then fall out. Nanogaine is a long-term choice for people who want to have hair and have it healthy looking/feeling too.

Can you use Nanogaine alongside Minoxidil?

Yes you can. Naturally, there will be some drying because of the alcohol in the Minoxidil solution. Some people use Nanogaine day and night and use Minoxidil once a day also. You may like to use an oily hair gel or cream such as "brylcream" to avoid the worst 'straw-hair' from long-term Minoxidil use.

What if I use the night ampoule in the day (or vice-versa) what are the effects?

No adverse effects at all. It is just that at night, your scalp will produce more sebum and the night formula is designed to slow sebum production and hence the optimum conditions will be obtained by using the ampoules in the correct order.

What is shedding?

When hair growth is stimulated, a large amount of follicles move into the Anagen phase from the Telogen phase simultaneously, which has the obvious consequence of hair loss during the initial phase of treatment (shedding). Do not be concerned. Although it may sound counter-intuitive, more than usual hair loss is usually an indication the formula is working according to the published studies. The new hair that replaces that just lost will be thicker, stronger and with more colour.