



60 ml

SPECTRAL.DNC® BREAKTHROUGH HAIR LOSS TREATMENT

FOR TOPICAL USE ONLY. NOT FOR OPHTHALMIC, ORAL, OR INTRAVAGINAL USE.

DESCRIPTION

Spectral.DNC® is a medication containing 5% minoxidil and Aminexil SP94. This formulation uses tiny microspheres called Nanosomes, which are used to encapsulate the active ingredients in the lotion. Other compounds enhance the action of minoxidil and Aminexil, including retinol, T-flavanone, procyanidins B-2 and C-1, adenosine, and piroctone olamine. Other components of this formulation are purified water, ivy Nanosomes, hops Nanosomes, capsicum Nanosomes, ethanol, vitamin and mineral complex, propylene glycol, and methyl paraben.

The addition of procyanidins B-2 and C-1 and adenosine Nanosomes to this formulation is a recent modification and has allowed a further enhancement of effectiveness and rapidness of results.

Spectral.DNC is the newest compound developed in the fight against hair loss and has several unique advantages over other hair-loss medications. Spectral.DNC works faster and better than medications containing only minoxidil, with similar tolerability and side effects. Spectral.DNC allows patients to regrow normally thick and healthy hair and may work for patients who previously did not respond to minoxidil treatment. This medication is intended for both the crown of the scalp and the frontal hairline.

CLINICAL PHARMACOLOGY

When applied topically, minoxidil solution has been shown to stimulate hair growth in individuals with androgenic alopecia (male pattern baldness) and hair loss occurring on the crown of the scalp. Although the exact mechanism of action of minoxidil in the treatment of androgenic alopecia is not known, there may be more than one way in which minoxidil stimulates hair growth. They include 1) stimulation of follicular cells to enter into a proliferative phase, 2) stimulation of resting follicles (telogen phase) to become active follicles (anagen phase), and 3) alteration of the effect of androgens on genetically predetermined hair follicles. Minoxidil may affect androgen metabolism in the scalp by inhibiting its capacity to affect hair follicles. Topical minoxidil alone, however, is absorbed poorly through normal intact skin, with an average of 1.4 percent (range 0.3 to 4.5 percent) of the applied dose reaching systemic circulation. In Spectral.DNC, the use of Nanosomes as a carrier agent increases the absorption and effectiveness of minoxidil.

Aminexil has been shown to increase hair density and hair growth by preventing perifollicular fibrosis, a condition that accompanies alopecia, whereby collagen around roots becomes rigid and tightens, thus pushing the hair to the surface and causing premature loss. In Spectral.DNC, the use of Nanosomes as a carrier agent increases the absorption and effectiveness of Aminexil.

CONTRAINDICATIONS

This formulation is contraindicated in individuals with a history of sensitivity reactions to any of its components. It should be discontinued if hypersensitivity to any of its ingredients is noted.

GENERAL

- As with all topical hair-loss medications, it is important to start early since treatment works by revitalizing hair follicles that have been dormant, sometimes for many years, and may not respond as well as follicles compromised more recently.
- Spectral.DNC does not prevent or reverse hair loss that occurs from the use of some medications, hypothyroidism, chemotherapy, or diseases that cause scarring of the scalp.
- For best results, apply the treatment directly to the scalp twice a day, every day, without skipping applications.
- In some patients, Spectral.DNC may cause scalp irritation. If it continues or worsens, stop use and see a doctor.
- Results may occur at two months with twice-a-day usage. For some men, three months or more to see results. Hair grows at a rate of 1–2 cm per month; therefore it will take time to see results.
- When beginning to use Spectral.DNC, hair loss may increase temporarily for up to two weeks. This phase indicates that you are shedding old hairs to begin growing new hairs. If the increased loss continues after two weeks, discontinue use and see your doctor.
- If hair loss or thinning is due to hereditary male pattern baldness, continued use of Spectral.DNC is necessary, or hair loss will begin again. If hair loss is caused by other factors, it may be possible to discontinue treatment and maintain the newly grown hair.
- To prevent unwanted facial hair growth, allow time for Spectral.DNC to dry completely before bed to prevent smearing and transferring the medication to the face.
- Two times a day, apply 1 ml (10 sprays) with the applicator directly to the scalp in areas of hair loss and thinning. Using less would reduce the effectiveness of the treatment.
- If you miss a dose, do not try to make up for it by applying multiple doses the next day. Just return to your normal treatment schedule.
- Spectral.DNC should not be used by people under 18 years of age.

WARNINGS

Spectral.DNC contains strong vasodilator compounds that increase the absorption of minoxidil. Some people may experience a higher sensitivity to minoxidil's side effects. You should not use Spectral.DNC if you have low blood pressure or are taking blood-pressure-lowering medications. People with heart failure or significant coronary disease should avoid Spectral.DNC because of these side effects.

The most common side effects are redness and irritation of the scalp.

Pregnancy: Spectral.DNC should not be used during pregnancy or by nursing women.

IF YOU EXPERIENCE RAPID HEART BEAT, DIZZINESS, OR SHORTNESS OF BREATH, DISCONTINUE THE USE OF SPECTRAL.DNC AND SEEK MEDICAL ATTENTION IMMEDIATELY.

Stop use and consult a doctor if sudden, unexplained weight gain occurs, your hands or feet swell, or unwanted facial hair growth occurs.

To prevent unwanted hair growth on other parts of the body, make sure that you limit the application of Spectral.DNC to just the scalp, wash your hands with soap and water immediately after use, and allow the lotion to dry completely before going to bed.

DIRECTIONS FOR USE

SHAKE WELL BEFORE USE. Twice per day, apply 10 sprays directly in the area of hair loss and thinning. Spectral.DNC should be applied whether hair has been washed or not. Hold the sprayer close to the scalp to avoid getting medication on the hair. Massage the lotion into the scalp. Do not rinse. Wash your hands with soap and water immediately after use.

OVERDOSAGE

If medication is applied excessively, the results will be no better nor more rapid, but the chance of side effects will increase.

QUESTIONS AND ANSWERS

Q: Is Spectral.DNC safe?

A: Spectral.DNC contains herbal extracts and vitamins that are known for their safety, especially in topical use. The other active ingredients, such as minoxidil and Aminexil, have been tested through clinical studies and have been shown safe. Minoxidil has been on the market for more than 20 years. It has been used by millions of people with an extremely low incidence of side effects. You should not use Spectral.DNC if you are suffering from low or high blood pressure or have heart problems.

Q: Is a higher concentration of minoxidil more effective?

A: Minoxidil has been shown to be more effective at higher doses. Minoxidil 5% has been shown to be more effective than minoxidil 2%. However, beyond 5%, applying more does not seem to improve results, while the chance of side effects increases dramatically.

Q: Can I use hair sprays, mousses, gels, etc.?

A: Hair sprays, gels, and other styling aids are not recommended since they tend to clog hair follicles. If using styling aids, apply Spectral.DNC first and wait for it to dry completely before styling.

Q: Can I have my hair colored or permed while using Spectral.DNC?

A: While there is no evidence that coloring or perming hair or using hair relaxers can affect hair loss, it is generally not recommended for people with hair loss. If you are experiencing hair loss, perming and coloring is not recommended. However, if you use these treatments, they will not interfere with Spectral.DNC.

Q: Is stress a factor in hair loss?

A: When the body is under significant physical or emotional stress, it is possible the immune system will produce antibodies that attack hair follicles. This results in bald patches or diffuse loss. Stress-induced loss responds very well to Spectral.DNC. Generally, you can discontinue treatment and keep the hair you grew.

Q: Can I go swimming or get my hair wet?

A: You should avoid washing off Spectral.DNC for at least three hours after it has been applied. If you plan on swimming, it is recommended to apply Spectral.DNC immediately after, on dry scalp, or wait at least three hours after application to swim.

Q: Does the treatment reduce sex drive?

A: Just the opposite is likely. Unlike oral hair-loss treatments such as Propecia, Spectral.DNC will not affect your sex drive. Pfizer even applied to the FDA to use minoxidil to spray on the penis to improve erection. The other ingredients in Spectral.DNC (vitamin complex and herbal extracts) can only enhance sexual function. It is not well known how Aminexil may impact sex drive, but it has not shown side effects in clinical studies.

Q: What can I do about the flaking I've noticed since I started using Spectral.DNC?

A: Occasionally, users notice flaking with Spectral.DNC (only about five percent experience flaking or scalp irritation). Since Spectral.DNC contains retinol, the flaking may be due to increased skin cell turnover induced by that agent. If irritation persists after several weeks of use, then you should discontinue treatment with Spectral.DNC.

Q: What is DHT?

A: Dihydrotestosterone (DHT) is believed to be a cause of male pattern baldness. DHT is formed from testosterone when it comes into contact with sebaceous glands in the hair follicles. DHT gets into hair follicles and shrinks them. At the same time, it makes the protective membrane of the scalp thicken, restricting blood flow to the capillaries. This gradually causes hair loss.

Q: Can I blow dry my hair after using Spectral.DNC?

A: You should apply Spectral.DNC after blow drying. Blow drying can cause some of the solution to evaporate and is not recommended.

Q: What type of results should I expect?

A: You should take control of hair loss in about two weeks and start growing new hair within three months of use. If you have small patches of baldness, you should see significant results. If you have an advanced stage of hair loss, it can take up to six months of use to see regrowth. It is possible that treatment will not work for users in advanced stages of hair loss who have been bald for more than 15 years.

Q: What side effects are associated with Spectral.DNC?

A: Most of the side effects from Spectral.DNC are due to the minoxidil 5% and are very similar to the side effects reported by users of regular minoxidil-containing medications. In some people, a simple irritation can be an effect; in others, an allergic reaction. A small percentage of people experience dizziness and/or shortness of breath. These effects occur because minoxidil can lower blood pressure.

Q: What should I do if I experience side effects from Spectral.DNC?

A: If you experience itching and flaking, try applying less Spectral.DNC. Once the flaking or itching goes away, you should increase the dosage gradually until you reach the normal level. If you experience dizziness or shortness of breath, consult your doctor. Minoxidil can cause your blood pressure to drop, so you should have your blood pressure checked. You should not use Spectral.DNC if you have low blood pressure.

Q: How effective is Spectral.DNC?

A: Spectral.DNC is significantly more effective than any other topical hair-loss treatment. Many users who did not respond to other medications containing minoxidil do respond to Spectral.DNC, and they have a much higher chance of growing normally thick and healthy hair. You can expect dramatic results from your Spectral.DNC treatment.

Q: Who is the ideal candidate for Spectral.DNC?

A: The ideal Spectral.DNC candidate is someone with a little hair loss or at the beginning stages of hair loss. It is much easier to prevent hair loss than to grow new hair. If you have had a large bald spot for longer than 15 years, Spectral.DNC may not work for you.

Q: What can I reasonably expect from Spectral.DNC?

A: When deciding to use Spectral.DNC, it is important to have realistic expectations. Hair grows at a rate of approximately 1–2 cm per month, so you will not see immediate growth. During the first two weeks of treatment, you may actually notice increased hair loss as old hairs are pushed out, and hair follicles start growing new hair. Do not be alarmed by this phase. Just stick to the treatment.

Q: When should I expect to see results from Spectral.DNC?

A: The response to treatment is different for each individual. However, you can expect to inhibit hair loss completely within just two to three weeks of use and start to see new hairs after approximately two months of use. At first, you will see fuzz that is light in color. These hairs will eventually become normal, thick, terminal hairs, which may be seen as early as four months into treatment, although the full effect is usually achieved between eight and 12 months. After that point, as long as Spectral.DNC is used properly, the hair can usually be maintained indefinitely.

Q: Can I use Spectral.DNC once per day instead of twice?

A: For Spectral.DNC to be effective, it must be used twice per day, preferably in the morning and before bed. Some people find that after a year or two they can reduce to only once a day to maintain what they have.

Q: Can I skip a treatment or two of Spectral.DNC?

A: Yes. You can occasionally skip treatments for one or several days without reducing effectiveness. If you miss an application, do not increase your dose the next day to make up for it. Simply continue with the normal treatment schedule.

Q: For how long can I discontinue Spectral.DNC without losing hair?

A: Once you restore normal hair growth, it is possible to interrupt the treatment for one or two weeks at a time without shedding. However, it is best to use Spectral.DNC continuously to maintain normally strong and healthy hair.

Q: What is DS Laboratories' Nanosome technology?

A: DS Laboratories' Nanosome technology encapsulates active ingredients within microspheres that are hundreds of times smaller than human skin cells. The outer layer is formed from a material similar to skin. These microcapsules reach much deeper into epidermal tissues than do standard carriers. Therefore, they boost the effectiveness of all active ingredients.

Q: What shampoo should I use?

A: We recommend using Revita® shampoo several times per week to boost results. Revita is a high-performance product and is the result of cutting-edge research. It is best to wash your hair every day to keep the scalp clean at all times.

Q: Does Spectral.DNC work on a receding hairline, or is it only effective on the crown of the scalp?

A: Unlike other topical treatments, Spectral.DNC can help regrow hair along the frontal hairline as well as on the crown. Most users are able to regrow and maintain normally strong and healthy hair on the entire scalp.

Q: What is the difference between Rogaine® and Spectral.DNC?

A: Rogaine is a 5% minoxidil solution approved by the US Food and Drug Administration as a treatment for hair loss. Rogaine does not contain any other active ingredients. Spectral.DNC uses the highest-quality research-grade minoxidil, combined with Aminexil, the only other compound clinically proven to regrow hair. Spectral.DNC also contains retinol, vitamins, minerals, and the highest-purity herbal extracts. All of the active ingredients are encapsulated within DS Laboratories' Nanosomes. In short, Spectral.DNC is significantly more effective than Rogaine, and it provides rapid and dramatic results even in users who did not respond well to Rogaine. Spectral.DNC is the world's most effective topical hair-loss treatment.