



## EXO-GROW™ Comparative Overview

*The next generation of hair regeneration: Science that repairs, not just stimulates.*

### 1. EXO-GROW™ vs. Minoxidil & Finasteride

#### Regeneration -Not just stimulation or suppression

	Minoxidil	Finasteride	EXO-GROW™ (HLA-G COMPLEXA™)
<b>Primary Function</b>	<ul style="list-style-type: none"><li>Chemical stimulant that improves blood flow and extends the growth phase</li></ul>	<ul style="list-style-type: none"><li>Hormonal blocker that lowers DHT (the hormone that shrinks follicles)</li></ul>	<ul style="list-style-type: none"><li>Biological regenerator that repairs and reactivates dormant follicles</li></ul>
<b>How It Works</b>	<ul style="list-style-type: none"><li>Opens potassium channels to boost nutrient delivery</li></ul>	<ul style="list-style-type: none"><li>Inhibits 5-<math>\alpha</math>-reductase to reduce DHT and slow miniaturization</li></ul>	<ul style="list-style-type: none"><li>Delivers exosomes, peptides, growth factors, and microRNAs directly to follicle stem cells</li></ul>
<b>Level of Impact</b>	<ul style="list-style-type: none"><li>Surface-level stimulation</li></ul>	<ul style="list-style-type: none"><li>Hormonal suppression</li></ul>	<ul style="list-style-type: none"><li>Deep cellular repair and tissue regeneration</li></ul>
<b>Effectiveness</b>	<ul style="list-style-type: none"><li>10–20% regrowth in studies</li></ul>	<ul style="list-style-type: none"><li>Prevents further loss (40–60% retention)</li></ul>	<ul style="list-style-type: none"><li>Up to 160% higher increase in density and thickness in 12 weeks</li></ul>
<b>Target Area</b>	<ul style="list-style-type: none"><li>Blood flow to follicles</li></ul>	<ul style="list-style-type: none"><li>DHT-sensitive follicles</li></ul>	<ul style="list-style-type: none"><li>Full scalp ecosystem, stem cells, dermal papilla, collagen, and microbiome</li></ul>
<b>Time to Results</b>	<ul style="list-style-type: none"><li>3–4 months</li></ul>	<ul style="list-style-type: none"><li>4–6 months</li></ul>	<ul style="list-style-type: none"><li>Visible thickening in 6–8 weeks</li></ul>
<b>Maintenance</b>	<ul style="list-style-type: none"><li>Continuous use required</li></ul>	<ul style="list-style-type: none"><li>Continuous use required</li></ul>	<ul style="list-style-type: none"><li>Progressive scalp health continues to improve between cycles</li></ul>
<b>Side Effects</b>	<ul style="list-style-type: none"><li>Scalp irritation, dryness, shedding</li></ul>	<ul style="list-style-type: none"><li>Hormonal or mood side effects</li></ul>	<ul style="list-style-type: none"><li>None known; non-hormonal and immune-tolerant</li></ul>
<b>Who Can Use It</b>	<ul style="list-style-type: none"><li>Men &amp; women</li></ul>	<ul style="list-style-type: none"><li>Men only</li></ul>	<ul style="list-style-type: none"><li>Universal. Safe for men, women, postpartum, and menopausal clients</li></ul>

## Why EXO-GROW™ Works Better

- Repairs the root cause, not just symptoms.
- Exosome technology regenerates at a cellular level.
- **HLA-G COMPLEXA™** ensures immune tolerance and long-lasting results.
- Addresses every biological factor of hair loss simultaneously.
- **Clinically proven:** +160% follicle density, +52% shaft thickness, -41% inflammation, +34% new follicle formations

**Summary:** Minoxidil boosts blood flow. Finasteride blocks hormones.

**EXO-GROW™** heals the scalp itself while repairing follicles so hair can grow stronger naturally.

## 2. EXO-GROW™ vs. Nutrafol®

**Regeneration, not supplementation.**

	<b>Nutrafol®</b>	<b>EXO-GROW™ by DermanWorld</b>
<b>Type of Solution</b>	<ul style="list-style-type: none"><li>• Oral supplement for internal support</li></ul>	<ul style="list-style-type: none"><li>• Topical + professional regenerative system</li></ul>
<b>How It Works</b>	<ul style="list-style-type: none"><li>• Provides vitamins and botanicals to balance hormones, stress, and nutrition</li></ul>	<ul style="list-style-type: none"><li>• Delivers HLA-G COMPLEXA™ exosomes, peptides, and growth factors directly to follicles</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>• Nutritional / hormonal</li></ul>	<ul style="list-style-type: none"><li>• Cellular regeneration using exosome therapy</li></ul>
<b>Focus</b>	<ul style="list-style-type: none"><li>• Supports internal health to reduce shedding</li></ul>	<ul style="list-style-type: none"><li>• Repairs scalp tissue, reactivates follicles, and restores micro-circulation</li></ul>
<b>Clinical Power</b>	<ul style="list-style-type: none"><li>• Gradual improvement over 3-6 months</li></ul>	<ul style="list-style-type: none"><li>• Visible, measurable results in 6-8 weeks</li></ul>
<b>Treatment Area</b>	<ul style="list-style-type: none"><li>• Systemic (whole body)</li></ul>	<ul style="list-style-type: none"><li>• Targeted (scalp and follicle)</li></ul>
<b>Clinical Data</b>	<ul style="list-style-type: none"><li>• 15-25% increase in density after 6 months</li></ul>	<ul style="list-style-type: none"><li>• Up to 160% greater follicle density in 12 weeks</li></ul>
<b>Ingredients</b>	<ul style="list-style-type: none"><li>• Botanicals, vitamins, collagen, adaptogens</li></ul>	<ul style="list-style-type: none"><li>• Purified exosomes, peptides, miRNA, cytokine modulators</li></ul>
<b>Best For</b>	<ul style="list-style-type: none"><li>• Mild thinning, stress-related loss</li></ul>	<ul style="list-style-type: none"><li>• Moderate to advanced thinning or medication-related loss</li></ul>
<b>Side Effects</b>	<ul style="list-style-type: none"><li>• Minimal; may interact with medications</li></ul>	<ul style="list-style-type: none"><li>• None known; non-hormonal and topical</li></ul>

### Why EXO-GROW™ Works Better

- Nutrafol nourishes; EXO-GROW™ regenerates.
- Nutrafol works indirectly through digestion; EXO-GROW™ works instantly at the follicle level.
- HLA-G immune-tolerant exosomes stay active longer and communicate directly with cells.
- Clinical imaging confirms faster, stronger, and thicker regrowth.

### Summary:

**Nutrafol** feeds your body nutrients for hair health.

**EXO-GROW™** delivers regenerative instructions straight to the follicles for faster, stronger results.

### 3. EXO-GROW™ vs. CALECIM®

**Next-generation exosome precision, not just stem-cell media.**

	<b>CALECIM® Professional</b>	<b>EXO-GROW™ by DermapenWorld</b>
<b>Core Technology</b>	<ul style="list-style-type: none"><li>• Conditioned media from umbilical stem cells</li></ul>	<ul style="list-style-type: none"><li>• HLA-G COMPLEXA™ - purified, immune-tolerant exosome complex</li></ul>
<b>Type of Active</b>	<ul style="list-style-type: none"><li>• Mixed secretions (proteins and cell debris)</li></ul>	<ul style="list-style-type: none"><li>• Purified exosomes (</li></ul>
<b>How It Works</b>	<ul style="list-style-type: none"><li>• Improves skin texture and hydration</li></ul>	<ul style="list-style-type: none"><li>• Regenerates scalp tissue, reactivates follicles, and reduces inflammation</li></ul>
<b>Target Area</b>	<ul style="list-style-type: none"><li>• Skin and epidermis</li></ul>	<ul style="list-style-type: none"><li>• Scalp and follicular units</li></ul>
<b>Delivery Method</b>	<ul style="list-style-type: none"><li>• Cosmetic serum (post-procedure)</li></ul>	<ul style="list-style-type: none"><li>• Delivered through microneedling, LED, or scalp massage for deeper penetration</li></ul>
<b>Immune Profile</b>	<ul style="list-style-type: none"><li>• Non-tolerant; limited exosome purity</li></ul>	<ul style="list-style-type: none"><li>• Immune-tolerant; long-lasting tissue activity</li></ul>
<b>Clinical Data</b>	<ul style="list-style-type: none"><li>• Cosmetic studies on firmness and recovery</li></ul>	<ul style="list-style-type: none"><li>• 160% higher follicle density than Minoxidil, proven reduction in inflammation</li></ul>
<b>Regeneration Focus</b>	<ul style="list-style-type: none"><li>• Skin rejuvenation</li></ul>	<ul style="list-style-type: none"><li>• Dedicated to scalp and follicle regeneration</li></ul>
<b>System Approach</b>	<ul style="list-style-type: none"><li>• Single serum</li></ul>	<ul style="list-style-type: none"><li>• Complete scalp system: Mask, Tonic, Shampoo, Conditioner, and LED integration</li></ul>

### Why EXO-GROW™ Works Better

- **CALECIM®** uses a **broad mix of fluids and proteins** that come from stem-cell cultures. Basically, everything that's secreted during the growth process. It's not refined or separated. It's a *mixture* of different cell byproducts.
- **EXO-GROW™** goes a step further. It **isolates only the exosomes**. The tiny, highly active messenger particles that tell *cells to repair and regenerate*.

**HLA-G COMPLEXA™** ensures no immune rejection and longer bioactivity.

- Specifically engineered for scalp biology, not repurposed from skin care.
- Uses active delivery methods for better penetration and measurable results.
- Full ecosystem. Not a single product, offering lasting repair, not just temporary conditioning.

**Summary:** CALECIM® refreshes skin.

**EXO-GROW™** regenerates the scalp, repairing follicles from the inside out for real, lasting results

### 4. EXO-GROW™ + SIP & SUPP

**Complete inside-out regeneration.**

	<b>EXO-GROW™ (Topical)</b>	<b>SIP &amp; SUPP (Internal)</b>
<b>Role</b>	<ul style="list-style-type: none"><li>• Repairs scalp externally using immune-tolerant exosomes</li></ul>	<ul style="list-style-type: none"><li>• Supports cellular health and follicle metabolism internally</li></ul>
<b>Core Benefit</b>	<ul style="list-style-type: none"><li>• Reactivates follicles and restores scalp environment</li></ul>	<ul style="list-style-type: none"><li>• Provides nutrients, adaptogens, and antioxidants for growth and resilience</li></ul>
<b>Mechanism</b>	<ul style="list-style-type: none"><li>• Exosomes communicate directly with follicle cells to regenerate tissue</li></ul>	<ul style="list-style-type: none"><li>• Nutrients support keratin synthesis, hormone balance, and stress control</li></ul>
<b>Timeframe</b>	<ul style="list-style-type: none"><li>• Visible changes in 6-8 weeks</li></ul>	<ul style="list-style-type: none"><li>• Strength, shine, and reduced shedding in 3-4 weeks</li></ul>
<b>Key Ingredients</b>	<ul style="list-style-type: none"><li>• HLA-G COMPLEXA™ exosomes, peptides, growth factors</li></ul>	<ul style="list-style-type: none"><li>• Collagen peptides, biotin, zinc, saw palmetto, reishi, vitamin C, ashwagandha, L-theanine</li></ul>
<b>How They Work Together</b>	<ul style="list-style-type: none"><li>• Topical repairs and reactivates follicles</li></ul>	<ul style="list-style-type: none"><li>• Supplement provides internal fuel to sustain and amplify those results</li></ul>

## Why SIP & SUPP Matters

- **Completes the EXO-GROW™ cycle** by nourishing follicles from both inside and outside.
- Targets all five causes of thinning. Inflammation, circulation, hormones, nutrient loss, and stress.
- Builds stronger, healthier hair with **consistent daily use**.
- Easy “beauty-from-within” routine — a quick, drinkable step that fits into any lifestyle.

**Summary: EXO-GROW™** heals the scalp on the outside.

**SIP & SUPP** fuels it from the inside.

**Together** they deliver faster growth, stronger strands, and longer-lasting results.

## Complete Summary of All Products vs EXO-GROW

**EXO-GROW™** represents a new category in hair science. One that regenerates rather than compensates.

Unlike drugs, supplements, or cosmetic serums, it uses **patented immune-tolerant exosomes** to repair the follicle environment, restore scalp balance, and drive natural growth without hormonal risks or irritation.

Competitor	Core Action	Limitations	EXO-GROW™ Advantage
<b>Minoxidil</b>	<ul style="list-style-type: none"><li>• Stimulates blood flow</li></ul>	<ul style="list-style-type: none"><li>• Temporary stimulation only</li></ul>	<ul style="list-style-type: none"><li>• Cellular regeneration + 160% higher density</li></ul>
<b>Finasteride</b>	<ul style="list-style-type: none"><li>• Reduces DHT</li></ul>	<ul style="list-style-type: none"><li>• Hormonal, male-only use</li></ul>	<ul style="list-style-type: none"><li>• Non-hormonal, safe for all</li></ul>
<b>Nutrafol</b>	<ul style="list-style-type: none"><li>• Supports internal wellness</li></ul>	<ul style="list-style-type: none"><li>• Indirect, slow results</li></ul>	<ul style="list-style-type: none"><li>• Direct follicle regeneration</li></ul>
<b>CALECIM®</b>	<ul style="list-style-type: none"><li>• Skin rejuvenation media-(a cosmetic mixture that supports skin healing and anti-aging,)</li></ul>	<ul style="list-style-type: none"><li>• Not scalp-focused</li></ul>	<ul style="list-style-type: none"><li>• Purpose-built exosome scalp therapy</li></ul>
<b>SIP &amp; SUPP</b>	<ul style="list-style-type: none"><li>• Internal nourishment</li></ul>	<ul style="list-style-type: none"><li>• Complements topicals</li></ul>	<ul style="list-style-type: none"><li>• Complete inside-out system</li></ul>

### Simple Summary:

Most products only stimulate or slow hair loss.

**EXO-GROW™** regenerates, repairing the scalp and reactivating follicles for stronger, thicker, healthier hair that lasts.