ENDOR® Skincare Products

Face

Anti-aging Eye Contour

Visibly reduces the appearance of aging signs such as fatigue, wrinkles, dark circles and laxity. It includes flash effect to improve luminosity. Contains 3% AuHA™.

Anti-aging Serum

Increases and accelerates the reduction and appearance of fine lines and wrinkles, while improving skin firmness volume and texture. Contains 5% AuHA™.

Anti-aging Cream

Visibly reduces the appearance of fine lines and wrinkles, while improving skin firmness, volume and texture. Formulated for normal to oily skin that needs an immediate absorption without leaving a greasy feel. Contains 3% AuHA™.

Anti-aging Nutritive Cream

Reduces the appearance of fine lines and wrinkles and improves skin firmness, volume and texture. Formulated for skin that is dry, exposed to dry or cold climates, or needs extra nutrition to provide protection and elasticity. Contains 3% AuHA™.

Body

Firming & Body Shaping Cream

Reduces the size of the thighs, abdomen and arms. Boosts the skin's firmness. High concentration of shea butter to provide deep skin nourishment. Contains 5% AuHA™.

Anti-cellulite Cream

Reduces the appearance of cellulite and improves skin firmness. A clinical study under medical supervision demonstrates a reduction of the appearance of cellulite up to 31% after 28 days of treatment. Contains 3% AuHA™.

Neck & Decollete Cream

Improves the firmness of neck and chest skin. Reduces the appearance wrinkles. Provides the skin nourishment and suppleness. Contains 5% AuHA™.

Professional

Hyalgen™ Serum

Improves the appearance of RF and other energy-based treatment results. For professional use only. Contains 3% AuHA™.

Celltense™ Serum

For in-clinic procedures to help improve the appearance of cellulite and skin firmness. For professional use only. Contains 5% AuHA™.

Lasergen™

Post energy-based care to enhance skin recovery and visible results. For professional use only. Contains 5% AuHA™.

Endor skin products are formulated for all skin types.

PeriBio™

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ENDOR® Skincare Products

Nanotech Skin Care

All Endor products contain 3% or 5% of gold thioethyelamino hyaluronic acid (AuHA™).

Advanced Skincare Products through Innovative Science

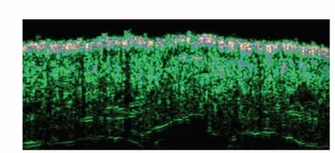
Advanced scientific research resulting in a breackthrough nanotechnology for skin care: patented formulas clinically proven to help fight the signs of aging.

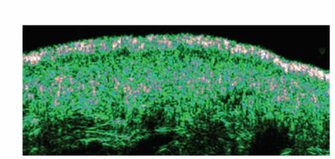
Discover the Endor collection

Aging of the skin results in undesirable side effects such as fine lines, loss of firmness, volume reduction and roughness. Endor has developed an anti-aging collection based on gold nanotechnology that is capable of significantly reducing the appearance of wrinkles while improving skin firmness, volume, and texture.

Proprietary technology based on science

Top picture is an ultrasound image showing the cross section of skin. The bottom picture shows the same skin after 28 days using Endor nanotechnology skincare products. There is an improvement of skin firmness up to 75% and skin appearing smoother and younger-looking.

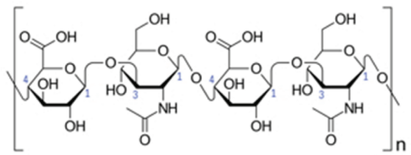




Non-retouched pictures. Clinical study performed at the Instituto de Fotomedicina, Centro Médico Teknon, Barcelona-Spain

Hyaluronic Acid and Nanotechnology

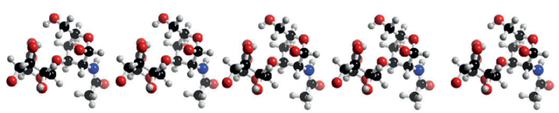
Nanotechnology is the branch of technology that deals with dimensions of less than 100 nanometers, especially the manipulation of individual atoms and molecules. Hyaluronic Acid (**HA**) is a very large molecule called glycosaminoglycan containing about 20,000 disaccharide monomers averaging 3 to 7 million Daltons in mass. These are highly negatively charged aggregates and imbibe tremendous amounts of water and function to keep skin hydrated. One third of HA is degraded and synthesized each day. [1] As we age the production of HA drops to 5% of baseline!



Hyaluronic Acid and Skin Hydration

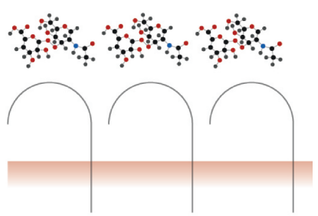
HA molecules, typically 3,000 nm in size, are too large to penetrate the intracellular space of 15 to 50 nm so remain in the skin. HA is produced by keratinocytes in the epidermis imbibes many times its weight of water to hydrate skin. HA is what draws water from moisturizers into the skin.

Topical application of normal HA will remain on the surface of skin and actually pull water out and dehydrate skin! Only very small fragments of HA can penetrate the skin, however, they just as easily leave the skin so can only help short term hydration.



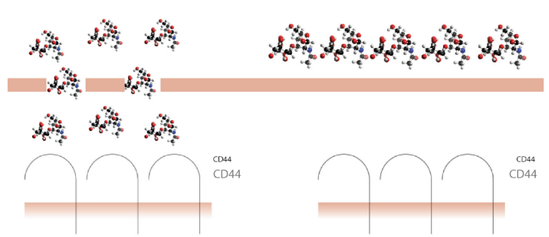
Hyaluronic Acid can Trigger Endogenous Production of HA, Elastin and Collagen in the Skin

The epidermis is the outer layer of skin made up mostly of cells called keratinocytes. The keratinocytes have receptors, or trigger sites on them called CD44 receptors that are sensitive to HA. If triggered they stimulate the production of endogenous hyaluronic acid and elastin, and signal other cells in the dermis called fibroblasts to produce collagen [2]. Hyaluronic acid plays a major role in wound healing, skin aging and repair. [7][9]



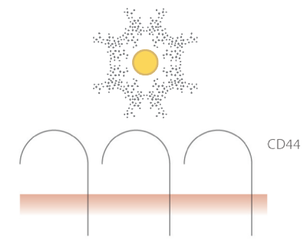
Can we use Topical HA to Trigger the Production of new HA, Elastin, and Collagen?

Small HA molecules may penetrate skin, however, they do not have a large enough molecular size to trigger the receptors [3][4]. The larger HA molecules cannot penetrate the surface into the epidermis!



The Endor® Nanotechnology Solution

A patented method of bonding hyaluronic acid (HA) fragments to 10-nm gold nanoparticles. The aggregate cluster is 22 nm in size and can easily penetrate the surface of the skin. The extremely high density HA-coating easily triggers CD44 receptors on keratinocytes, which stimulates the endogenous production of new hyaluronic acid, collagen and elastin . The gold nanoparticles are sloughed out of skin between topical applications and are not retained.



Safety

Endor products contain **gold thioethylamino hyaluronic acid (AuHA™)** nanoparticles approved in the EU as a cosmetic ingredient and registered with the FDA for topical applications. Ceretox, a toxicological research center, safety assessment report showed the use of the gold nanoparticles are safe for cosmetic applications. [5][6]

Anti-aging Cream

There is a visible reduction in the appearance of wrinkles (up to 54%), an improvement in skin firmness (up to 171%) and a reduction in skin roughness, revealing younger, healthier-looking skin.

The study was performed measuring the effectiveness of the product applied morning and night to the face during 28 days.

Summary

The active ingredient in Endor products is AuHA, which is composed of gold nanoparticles coated with 200 to 500 oligomer HA fragments of 5,000 to 10,000 daltons in size. At 22-nm total size they are smaller than any other HA-delivery system and can easily penetrate the surface of the skin into the epidermis. A low concentration of AuHA has a very powerful effect activating CD44 receptors on keratinocytes triggering the endogenous production of new HA, elastin, and collagen in the skin.

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