

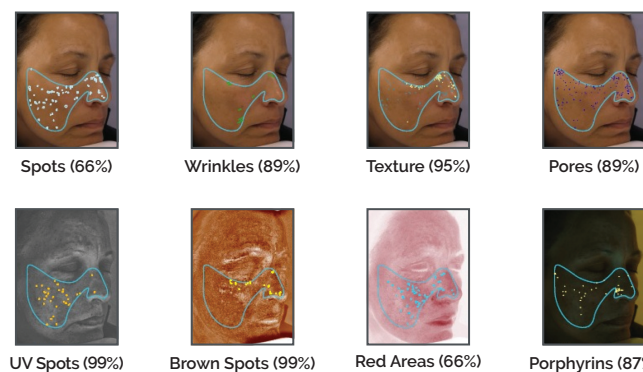
SKIN STUDY SUBJECT FEEDBACK

RESULTS

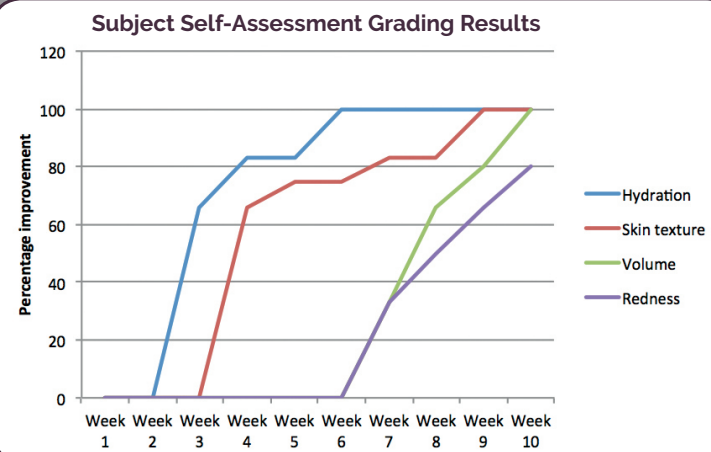
Visia Skin Analysis – Facial Assessment Report at Baseline



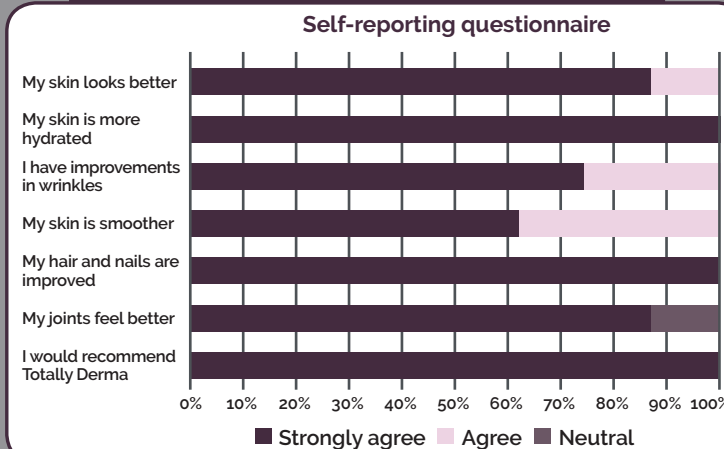
Visia Skin Analysis – Facial Assessment Report after 12 weeks of consuming the formulation in TOTALLY DERMA Nutraceutical Skin Drink



10-WEEK VISIA CLINICAL SKIN STUDY



12-WEEK SKIN ABSORPTION CLINICAL STUDY



PRACTICAL BENEFITS OF TOTALLY DERMA

TOTALLY DERMA is a stand-alone nutritional skin supplement which may also improve topical stimulatory treatments available at medical aesthetic clinics such as peels, micro-needling, laser resurfacing and non-surgical facelifts.

Thus, ingesting this nutraceutical formulation alongside a topical treatment can be a two-pronged approach to promoting collagen synthesis and anti-ageing of the skin, by tackling skin rejuvenation both internally and externally.



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Nutraceutical Skin Drink Repair • Rejuvenate • Replenish

What is TOTALLY DERMA Nutraceutical Skin Drink?

Skin health boosting drinks are becoming increasingly popular adjunctive therapy in medical skin clinics today, because of their potential to complement and optimise treatment outcomes. The sudden growth in Nutraceuticals may also be attributed to the more holistic approach towards anti-ageing demanded by patients and adopted by many practitioners today.

Totally Derma is a DAILY ingestible skin drink for a double pronged approach to anti-ageing. Internal AND Topical.

Totally Derma is an Anti-Ageing Nutraceutical Skin Drink that works from the INSIDE to stimulate the body's optimum production of collagen, elastin and hyaluronic acid, addressing both the aesthetic (physical) signs of ageing and the underlying physiological processes.

Due to the increase in Collagen and Hyaluronic Acid levels in the body, Totally Derma is shown to deliver improvements for skin ageing and dryness (face and body), hair (quantity and quality), nails, vaginal dryness, joint pain, ligament and tendon problems/injuries.

How does it work?

The formulation of TOTALLY DERMA Nutraceutical Skin Drink contains high amounts of collagen amino acid peptides, hyaluronic acid and other synergistic co-factors which are distributed via the blood vessels into the deep layer of the skin, the dermis, where they stimulate fibroblast cells to produce more collagen and hyaluronic acid.

This unique formulation contains a superior form of hydrolysed collagen, Arthred®, sourced via Gelita, AG, the collagen peptide experts. Arthred® hydrolysed collagen is enzymatically processed, resulting in its UNIFORM, pharma grade, low molecular size (3 kDa) which allows for a scientifically-proven 95% absorption rate. This far exceeding regular collagen supplements (which average a larger size of 70kDa for a typical sports protein drink), where the molecules are just broken down into their constituent parts then eliminated.

Clinically significant doses of regular gelatine typically cause gastrointestinal reactions precluding its usefulness for collagen & cartilage tissue support. Arthred®, by contrast, is extremely digestible and is well tolerated. It is therefore beneficial for individuals with a compromised digestive system.

Totally Derma contains high amounts of amino acids, including glycine, proline, hydroxyproline and arginine. These amino acids have been linked to healthy bone and connective tissue, healthy skin appearance, tissue anabolism, normal metabolism and growth hormone secretion.

While most hyaluronic acid supplements are poorly absorbed and are minimally effective, the formulation of Totally Derma

also includes Synovo Derma® hyaluronic acid, which has been processed to enhance absorption for maximum benefits.

These two key ingredients ensure the impressive increase of collagen and hydration in the skin, as shown by results of two clinical studies.

Synergistic co-factors are also added to highest strength formulated Totally Derma to enhance and promote stages of collagen synthesis, maintenance, promotion and repair. The co-factors include Vitamin C, Grape Seed Extract, Green Tea Extract, Alpha Lipoic Acid, Zinc, Manganese & Copper.

As a result of being ingested, Totally Derma works from the inside out: collagen contributes to skin firmness and elasticity and hyaluronic acid hydrates the skin and confers volume and density, thus filling in wrinkles. Totally Derma is also shown to boost collagen and hydration levels throughout the body, with visible improvements in overall skin, hair, nails, joints and gynaecological menopausal dryness.

The active components of Totally Derma Nutraceutical Skin Drink all have the highest quality and purity available, and this beverage is free of all common allergens and does not contain preservatives, diluents or artificial additives.

INGREDIENTS	QUANTITY per serving
Arthred® Collagen Peptide Powder	10g
Hyaluronic Acid Powder	210mg
Vitamin C (ascorbic acid)	250mg
Grape Seed Extract	160mg
Green Tea Extract	160mg
Alpha Lipoic Acid	60mg
Zinc Citrate	5mg
Manganese Citrate	3mg
Copper Bisglycinate	0.33mg

SUMMARY OF 10-WEEK VISIA CLINICAL SKIN STUDY

OBJECTIVE

To evaluate the benefits of active ingredients offering excellent solubility and can be digested and absorbed in the small intestine; before being distributed through the blood vessels through the deeper layer of the dermis, resulting in the multiplication and stimulation of fibroblast cells to produce more collagen and hyaluronic acid in the dermis.

STUDY METHODOLOGY

Design: Visia Skin Study Analysis

Population/Inclusion: Caucasian women, aged 47-56 with mild to moderate general facial fine lines and coarse wrinkles in the eye area, skin dehydration and mottled pigmentation on the face and willing to try an ingested high strength nutritional skin beverage.

ASSESSMENT

Exclusion: current use of skincare includes routine use of anti-ageing topical lotions and creams. No cosmetic procedures (Botox, fillers, peels, laser, light treatments) used by any of the candidates.

Duration: 10-week study (March-June 2014)

Evaluation Visits: Baseline, at 6 weeks, at 10 weeks

Evaluation Tools: Visia Skin Analysis machine

Photography: Baseline, at 6 weeks, at 10 weeks

TEST PRODUCT AND USAGE

KEY INGREDIENT BENEFITS

10,000 mg, Arthred® (95% absorbed) highly bioavailable enzymatically processed hydrolysed Collagen peptides raise Hydroxyproline amino acids (the main building block component of collagen and elastin) by 55%

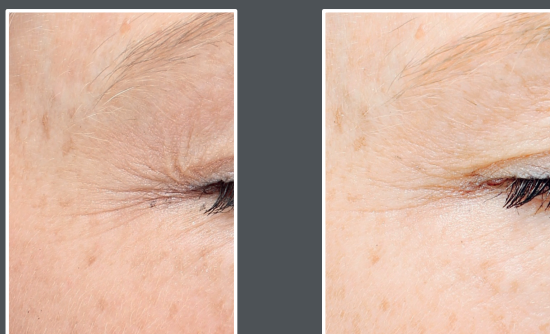
210 mg, enzymatically processed Hyaluronic Acid increases skin hydration, volume and density and supports collagen and elastin

Synergistic co-factor ingredients stimulate a natural biological process which promotes the stages of collagen synthesis, maintenance, promotion and repair.

RESULTS

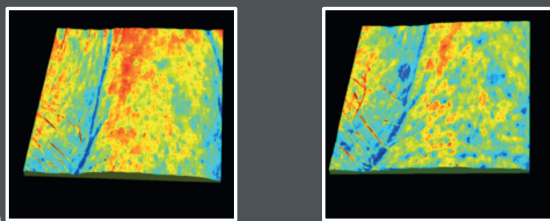
CLINICAL SKIN STUDY PHOTOGRAPHY

Improvement in Crow's Feet



Baseline

Week 10



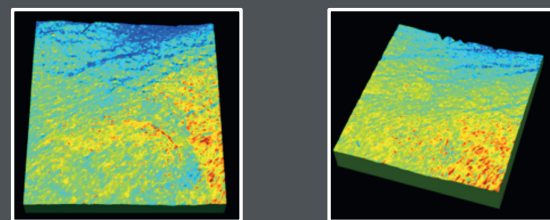
Improvements in peri-orbital area, fine lines and wrinkles and smoother skin texture

Improvement in Nasolabial folds



Baseline

Week 10



Improvements in skin hydration, smoother skin texture, volume, density and wrinkle depth reduction

Differences in Improvement were first observed at:

Week 3 for Skin Hydration

Week 4 for more Even Complexion, Glowing Skin, Overall Appearance

Week 5 for less Redness and Spots, Dewy Hydration and Clarity

Week 6 for improved Skin Smoothness, Density

Week 7 for Wrinkles and Visual Roughness

Week 8 for Crows Feet improvement

Week 10 for all the above

Anti-Ageing effects were apparent to subjects

After 10 weeks, group participants agreed:

100% skin was more hydrated, texture was smoother, firmer, had more volume, wrinkles less noticeable

80% less redness

Conclusion

Formulation delivers advanced comprehensive anti-ageing benefits to dehydrated, lax, wrinkled, sallow skin through the synergistic actions of multiple benefit ingredients, is 95% absorbed and is well tolerated.

These anti-ageing effects are clinically measurable and statistically significant in working from 'within' to stimulate the body's own production of collagen, elastin and HA, addressing the signs of the ageing process to help restore the look and feel of youthful skin.

SUMMARY OF 12-WEEK CLINICAL SKIN ABSORPTION STUDY

Advanced Dermatology & Cosmetic Institute, PA, Edina MN USA
Aurora Dermatopathology Lab, Twin Cities, Plymouth MN USA

OBJECTIVES

This study aimed to assess the absorption levels of the key components of TOTALLY DERMA Nutraceutical Skin Drink's formulation – collagen and HA – in the blood and skin, and to evaluate its effect on skin texture following everyday use of the beverage for 12 weeks.

STUDY METHODOLOGY

Test Product Usage and Ingredients

One serving (approximately 12g) of the formulation mixed with 250 ml water or juice to be consumed daily, preferably before sleep, contains:

- 10,000 mg Arthred® hydrolysed collagen
- 210 mg SynovoDerma® HA powder (9% min HA)
- Synergistic co-factor ingredients: vitamin C (ascorbic acid, 250 mg), grape seed extract (160 mg), green tea extract (160 mg), alpha lipoic acid (60 mg), zinc citrate (5 mg), manganese citrate (3 mg), copper bisglycinate (0.33 mg)

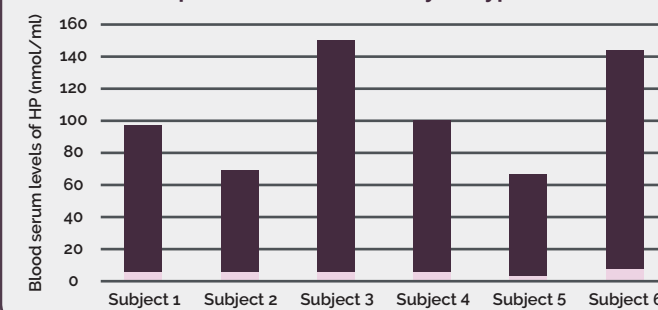
Study Design and Subjects

- This was a 12-week usage study assessing the absorption of daily TOTALLY DERMA Nutraceutical Skin Drink ingestion, by examining absorption levels of the key ingredients, collagen and hyaluronic acid, in blood serum and skin biopsies.
- Study Population: 6 women aged 46-65 years with mild to moderate general facial lines and coarse wrinkles in the eye area, skin dehydration and mottled pigmentation on the face. Subjects continued their regular skin care regimen alongside consumption of the nutraceutical beverage.

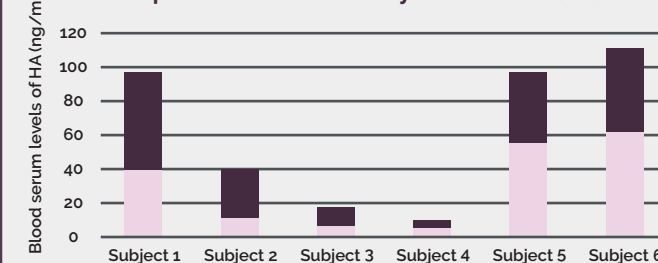
Assessments

- Blood serum was assessed at baseline (fasting) and 2 hours after beverage consumption for levels of hydroxyproline (as a marker for collagen serum absorption) and HA.
- Skin biopsies from non-sun exposed skin (hip region) were collected at baseline and after 12 weeks of daily use of the beverage, and were sectioned and stained for hematoxylin and eosin (H&E, control) and for the following markers:
 - Elastin as a marker for collagen absorption
 - Colloidal iron as a marker for HA absorption
- Visia Skin Analysis Machine facial assessment at baseline and 12 weeks
- Retrospective self-reporting questionnaire

Absorption levels of serum hydroxyproline (HP)



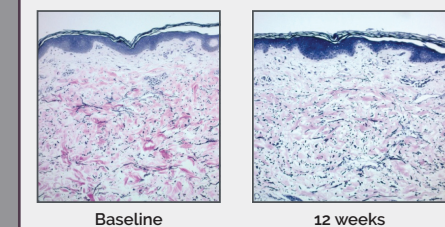
Absorption levels of serum hyaluronic acid (HA)



Percentage increase in blood serum HP and HA, 2 hours after consuming the formulation contained in TOTALLY DERMA Nutraceutical Skin Drink.

	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6
Increase in HP	+2250%	+1500%	+3500%	+2325%	+3150%	+2700%
Increase in HA	+475%	+173%	+83%	No change	-23.2%	-13.8%

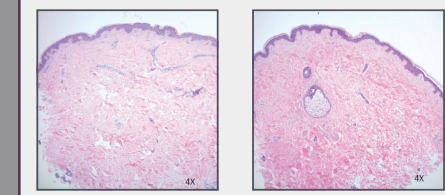
Skin biopsy sections – elastin staining (marker for collagen absorption)



Baseline

12 weeks

Skin biopsy sections – colloidal iron staining (marker for HA absorption)



Baseline

12 weeks

'Before and after' photo



Baseline

12 weeks

CONCLUSION

This study confirms that the key components of the formulation of TOTALLY DERMA Nutraceutical Skin Drink, collagen and HA, are being effectively absorbed when ingested and lead to increased levels of collagen and HA in the skin, visible anti-ageing effects and an improved overall skin texture.

The markedly elevated blood serum levels of hydroxyproline following ingestion of the beverage show impressive collagen absorption levels. Less dramatic results were observed for HA serum absorption but this can be explained by earlier reports showing that ingested HA uptake can occur through the lymphatic system, and HA appearance in tissues precedes its appearance in the blood. Furthermore, it is well-known that HA in blood plasma is rapidly taken up and metabolised by the liver. Therefore, it is likely that the HA from the formulation is reaching the skin by an initial lymphatic uptake, 2 hours post consumption. Longer-term HA absorption studies will be useful to confirm this.

The formulation of TOTALLY DERMA Nutraceutical Skin Drink was well tolerated and highly rated by the study group who all observed improvements in their skin.

This study supports the notion that ingesting specific ingredients can result in an anti-ageing and 'health-boosting' effect on the skin. Furthermore, oral nutraceutical supplementation appears promising for skin rejuvenation.

The right balance of specific, optimal quality and high purity ingredients is crucial. The specific formulation of TOTALLY DERMA Nutraceutical Skin Drink works from within to stimulate the body's own production of collagen, elastin and HA, thus addressing the underlying physiological skin ageing process to help restore the look and feel of youthful skin.