

Enfuselle Clinical Results

The introduction of the Enfuselle skin care line has been accompanied by extensive clinical testing, outlined below*.

Some of the Enfuselle clinical studies utilized contra-lateral (half face) studies. Bio-instruments were used to objectively measure the depth of fine lines and wrinkles on one side of the face where Enfuselle was being applied and compared these results to the control side where no skin care products or makeup was used.

The results of the tests, due in part to the rapidly changing climate conditions, were extraordinary: where no skin care or cosmetic products were used, the visible signs of aging became measurably deeper, while the skin treated with Enfuselle products steadily improved. In addition to bioinstrumentation, subjects completed a detailed questionnaire following the tests subjectively rating the products results.

"I've been doing this for 15 years and I was surprised to see some rather remarkable changes... really significant changes in skin conditions over the course of the study."
Lawrence Rheins, Ph.D., California Skin Research Institute.



Abstract:

This unique, patented (U.S. Patent No. 6,036,946) combination of ingredients composed of vitamins A, C, and E, along with Panthenol, Grape Seed Extract, Superoxide Dismutase, and Beta Glucan, has been shown to protect against cellular death caused by exposure to the UV wavelengths of natural sunlight. The activity of this complex was found to be synergistic, that is, the activity of the complex was much greater than the sum of the activity of the individual components or the sum of the activity of those component materials.

The effectiveness of the Vital Repair+ complex has been demonstrated in human cell cultures in which free radicals were generated by exposing those cultures to ultraviolet (UV) light. When compared to cell cultures exposed to the same amount of UV light but not treated with Vital Repair+ or its component ingredients, the cell cultures treated with Vital Repair+ were found to exhibit a significantly lower number of cell deaths.

All cell culture measurements were made within 48 hours following exposure of the cell cultures to the UV light. These measurements were run in triplicate for each material tested and were conducted using techniques commonly employed in cell culture technology. When compared to cell cultures exposed to UV light in the absence of Vital Repair+, the following results were found:

- 40% reduction in the number of cell deaths.
- Additionally, the reduction in the number of cell deaths in the cultures treated with Vital Repair+ was greater than any of the individual components of Vital Repair+ tested separately or the sum of their combined activities.
- The reduction in cell death was accompanied by an increased number of living (viable) dividing skin cells in the cultures treated with Vital Repair+.

Conclusion:

The activity of this complex of antioxidants clearly demonstrates that Vital Repair+™ is effective in blocking the complex cascade of free radical reactions brought about by exposure of skin to UV light.

Reference:

Data on File, Shaklee Corporation.

Title of study:***Antioxidant Activity of Vital Repair+™ from Enfuselle® Formulations When Applied to Human Skin.*****Abstract:**

A test of three of the Enfuselle skincare formulations clearly demonstrates that each formulation exhibits significant antioxidant activity when applied to the surface of intact human skin. The level of antioxidant activity was found to be significantly greater than that of control treated skin without the patented Vital Repair+™ complex (U.S. Patent No.6,036,946). These results clearly demonstrate that the Vital Repair+ present in the Enfuselle skincare formulations exhibits antioxidant activity as demonstrated in the human skin cell cultures.

The effectiveness of the patented Vital Repair+ antioxidant complex included in the Enfuselle skincare products was demonstrated in human cell cultures. However, this does not unequivocally ensure this same effectiveness when applied to human skin. Therefore, a test was conducted to show this efficacy on human skin.

It is well documented that when beta carotene is exposed to long wavelength ultraviolet (UVA, 320 to 400 nm) radiation, as found in sunlight, it undergoes a free radical reaction during which it changes from an orange color to a pale yellow color. Shaklee scientists used this knowledge to demonstrate the effectiveness of the patented Vital Repair+ from the Enfuselle formulations. Solutions of beta carotene were applied to the forearms of human subjects and allowed to dry completely. The Enfuselle formulations were then applied to selected sites on top of the beta carotene treated sites. All test sites were then exposed to UVA light. The changes in the color of the test sites were then monitored using a Minolta™ Chromameter throughout the UVA exposure period.

The color changes in the treated and control sites were exposed to six (6) different intensities of UVA light. Based upon the Chromameter data gathered from this test, the following conclusions were drawn. When compared to control test sites not treated with the Enfuselle formulations, the Vital Repair+ delivers the following effectiveness against UVA induced free radical reactions:

- Up to twice the antioxidant effectiveness at low UVA doses
- Up to three times the antioxidant effectiveness at high UVA doses

Conclusion:

This test clearly demonstrates that the patented Vital Repair+ (U.S. Patent No.6,036,946) protects the skin from UVA induced color change of beta carotene which is known to occur through a free radical pathway. Therefore, the antioxidant activity of the Vital Repair+ to protect the surface of human skin against free radical damage has been demonstrated.

Reference: Data on File, Shaklee Corporation.

Enfuselle Time Repair A.M.® SPF 15 Clinical Results

Dramatically improves the skin by increasing skin resilience, reducing the appearance of fine lines and wrinkles, and significantly improving other critical properties of all skin types.

Abstract:

Enfuselle Time Repair A.M. [SPF 15](#) was evaluated under clinically controlled conditions. Twenty-two women and men between the ages of 30 and 70 used a regimen consisting only of their normal cleanser and Time Repair A.M. SPF 15 twice a day for a period of 84 days.

The product was applied to one-half of the face in a controlled and supervised manner. The other half served as the control. The treated and untreated sides were randomized to avoid bias. Subjects were only allowed to cleanse the untreated side with their normal cleanser. No makeup or other skin care products were worn by the subjects.

- 245% increase in skin resilience and firmness in 28 days.
- 421% decrease in the appearance of fine lines of the skin in 28 days.
- 421% decrease in the appearance of skin wrinkles in 28 days.
- 37% increase in retained skin moisture in 84 days.
- A definitive evening of skin tone in 84 days.

Conclusion:

Enfuselle Time Repair A.M. SPF 15 significantly improves skin elasticity and significantly reduces the visible signs of aging.

Reference: Data on File, Shaklee Corporation.

Enfuselle C+E Repair P.M.TM Clinical Results

Dramatically increases skin resilience, reduces the appearance of fine lines and wrinkles, and significantly improves other critical properties of all skin types.

Abstract:

Enfuselle C+E Repair P.M.TM containing 10% pure L-ascorbic acid and 5% vitamin E was studied. Twenty-two women and men between the ages of 30 and 70 used a regimen consisting only of their normal cleanser and C+E Repair P.M. twice a day for a period of 84 days.

The product was applied to one-half of the face in a controlled and supervised manner. The other half served as the control. The treated and untreated sides were randomized to avoid bias. Subjects were allowed only to cleanse the untreated side with their normal cleanser. No makeup or other skin care products were used by the subjects.

- 154% increase in skin resilience and firmness in 28 days.
- 199% decrease in the appearance of fine lines of the skin in 28 days.
- 49% decrease in the appearance of skin wrinkles in 28 days.
- A definitive evening of skin tone in 84 days.

Conclusion:

Enfuselle C+E Repair P.M. significantly improves skin elasticity and significantly reduces the visible signs of aging.

Reference: Data on File, Shaklee Corporation.

Enfuselle Balancing Moisturizer Clinical Results

Dramatically increases skin resilience and reduces the appearance of fine lines and wrinkles, and significantly improves other critical properties of the skin.

Abstract:

Enfuselle Balancing Moisturizer, containing Vital Repair+™, was clinically evaluated by a board-certified dermatologist. Twenty-three women and men between the ages of 30 and 70 used a regimen consisting only of their normal cleanser and Balancing Moisturizer twice a day for a period of 28 days. The product was applied to one-half of the face in a controlled and supervised manner. The other half served as the control. The treated and untreated sides were randomized to avoid bias. Subjects were only allowed to cleanse the untreated side with their normal cleanser. No makeup or other skin care products were worn by the subjects.

- 146% increase in skin resilience in 28 days.
- 268% decrease in the appearance of fine lines in 28 days.
- 173% decrease in the appearance of wrinkles in 28 days.
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Conclusion:

Enfuselle Balancing Moisturizer significantly improves skin resilience and significantly reduces the visible signs of aging.

Reference: Data on File, Shaklee Corporation.

Enfuselle Hydrating Moisturizer Clinical Results

Dramatically increases skin resilience and reduces the appearance of fine lines and wrinkles, and significantly improves other critical properties of the skin.

Abstract:

Enfuselle Hydrating Moisturizer, containing Vital Repair+™, was clinically evaluated by a board-certified dermatologist. Twenty women and men between the ages of 30 and 70 used a regimen consisting only of their normal cleanser and Hydrating Moisturizer twice a day for a period of 28 days. The product was applied to one-half of the face in a controlled and supervised manner. The other half served as the control. The treated and untreated sides were randomized to avoid bias. Subjects were only allowed to cleanse the untreated side with their normal cleanser. No makeup or other skin care products were worn by the subjects.

- 102% increase in skin resilience in 28 days
- 195% decrease in the appearance of fine lines in 28 days
- 211% decrease in the appearance of wrinkles in 28 days

Conclusion:

Enfuselle Hydrating Moisturizer significantly improves skin resilience and significantly reduces the visible signs of aging.

Reference: Data on File, Shaklee Corporation.

Title of study:***Moisturization Effects of Enfuselle Hydrating and Balancing Moisturizers on Intact Human Skin.*****Abstract:**

The Moisturization Potential of Enfuselle Hydrating Moisturizer and Balancing Moisturizer was determined by clinical measurements to show that these products deliver an immediate moisture boost and 24-hour sustained moisture to the skin.

The moisturization effectiveness of Enfuselle Hydrating and Balancing Moisturizers was demonstrated on intact human skin. Their effectiveness was determined both immediately after application to the volar forearm as well as at 30, 60, 120, 240 and 1440 minutes (24 hours) following application, using a NovaMeter®. The results are depicted below:

- Skin treated with Enfuselle Hydrating Moisturizer showed a moisturization index increase of 18% after 30 minutes and 6% after 240 minutes.
- Skin treated with Enfuselle Balancing Moisturizer showed a moisturization index increase of 13% after 30 minutes and 5.5% after 240 minutes.

Conclusion:

Both Enfuselle Hydrating and Balancing Moisturizers provide an immediate moisture boost to the skin. A boost in moisture is sustained for up to 24 hours.

Reference: Data on File, Shaklee Corporation.

Enfuselle Refining Polisher Clinical Results**Abstract:**

Enfuselle Refining Polisher containing Vital Repair+™ was studied. Twenty-three subjects between the ages of 30 and 70 used the product every other day on their face for a period of four weeks.

All clinical measurements and skin replicas were taken on days 0 and 28 of the study. Visual evaluations were also conducted on day 14. Skin smoothness was determined by Image Analysis using dental-silicone replicas of the skin. Moisture levels were determined using a Nova Meter®, and the skin temperature was measured using a thermocouple.

- 72% increase in skin smoothness at 28 days
- 48% increase in retained skin moisture in 28 days
- Increase in temperature of 2[ring] Celsius (3.6[ring] Fahrenheit) immediately after usage.

Conclusion:

Enfuselle Refining Polisher significantly smoothes and moisturizes dry, rough skin.

Reference: Data on File, Shaklee Corporation.

Enfuselle Infusing Mineral Masque Clinical Results

Abstract:

Enfuselle Infusing Mineral Masque containing Vital Repair+™ was studied. Twenty-three subjects between the ages of 30 and 70 used the product every other day on their face for a period of four weeks.

All clinical measurements and skin replicas were taken on days 0 and 28 of the study. Visual evaluations were also conducted on day 14. Skin smoothness was determined by Image Analysis using dental-silicone replicas of the skin.

- 268% increase in skin smoothness at 28 days when compared to untreated control.

Conclusion:

Enfuselle Infusing Mineral Masque significantly improves skin texture and the removal of undesirable skin oils and impurities.

Reference: Data on File, Shaklee Corporation.

Enfuselle Eye Treatment Clinical Results

Dramatically improves the texture and resilience of eye-area skin.

Abstract:

Enfuselle Eye Treatment was evaluated under clinically controlled conditions. Twenty-three men and women between the ages of 30 and 70 used Enfuselle Eye Treatment for a period of 84 days. The product was applied to the skin around one eye, in a controlled and supervised manner. The skin around the other eye area served as the control. The treated and untreated sides were randomized to avoid bias. Subjects were only allowed to cleanse the untreated side with their normal cleanser. No makeup or other skin care products were worn.

Approximately 50% of the panel were contact lens wearers.

- 120% increase in skin resilience and firmness in 14 days.
- 209% decrease in visible fine lines of the skin in 56 days.
- 223% decrease in appearance of skin wrinkles in 14 days.
- 32% increase in retained skin moisture in 56 days.
- A definitive evening of skin tone in 84 days.

The safety of Enfuselle Eye Treatment was evaluated by a board-certified dermatologist and ophthalmologist. They found that, under the conditions of the test, the product was safe for use, even by contact lens users.

Conclusion:

Enfuselle Eye Treatment significantly improves skin firmness and resilience and significantly reduces the visible signs of aging.

Reference:

Data on File, Shaklee Corporation.

Enfuselle® Normal-to-Dry Regimen Clinical Results

The Enfuselle normal-to-dry skin care regimen containing patented Vital Repair+™ (U.S. patent no.6,036,946) was studied. Forty-two females between the ages of 30 and 70 used a regimen consisting of the Hydrating Cleansing Lotion, Gentle Action Cleansing Bar, Hydrating Toner, Eye Makeup Remover, Refining Polisher, Infusing Mineral Masque, Calming Complex™, Eye Treatment, Time Repair A.M.® [SPF 15](#), C+E Repair P.M.™, and Hydrating Moisturizer for a period of 84 days. These products were applied twice a day in a controlled and supervised manner to the entire face, except for Gentle Action Cleansing Bar, Refining Polisher, and Infusing Mineral Masque which were used twice a week.

- 665% increase in skin resilience and firmness in 28 days
- 14% increase in retained skin moisture in 56 days
- A definitive evening of skin tone in 84 days

Conclusion:

The Enfuselle Normal-to-Dry Regimen significantly improves dry skin and significantly reduces the visible signs of aging.

Reference:

Data on File, Shaklee Corporation.

Enfuselle® Normal-to-Oily Regimen Clinical Results

I could not find the whole write up about the Normal to Dry regimen. It was conducted in the same way as the others, but I only found this information in the Talk Sheet in our back office. The statistics are there for us.

Normal-to-Oily

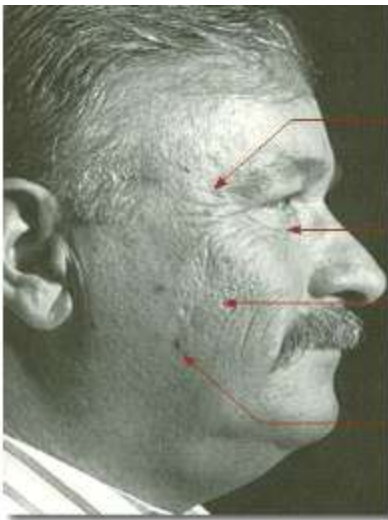
270% increase in skin resilience and firmness in 28 days.

17% increase in retained skin moisture in 56 days.

A definitive evening of skin tone in 84 days.

Conclusions:

The Enfuselle Normal-to-Oily Regimen significantly improves the resilience and other critical properties of oily skin and significantly reduces the visible signs of aging.

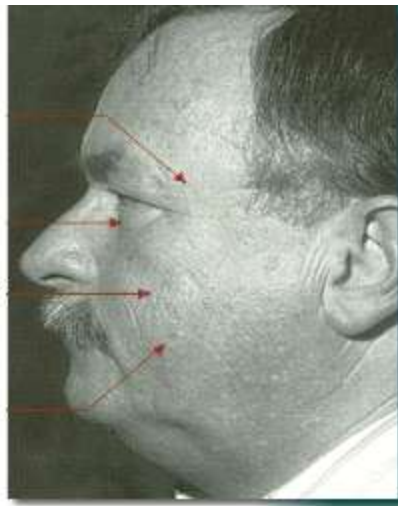


Wrinkles and fine lines begin to disappear

Sags and bags become less noticeable

Skin is firm and appearance of pores is minimized

Discolorations fade as surface damage is repaired.



Before

Untreated skin shows heavy wrinkles around the eyes and mouth, many aging lines, surface discolorations and bags under the eyes

After

After using Enfuselle for only seven weeks, the difference is obvious and dramatic—this man literally looks years younger



Crows Feet are less pronounced

Skin is firm and toned

Sags and Bags become less noticeable

Apearance of wrinkles is minimized



Some of the Enfuselle clinical studies utilized contra-lateral (half face) studies. Bioinstruments were used to objectively measure the depth of fine lines and wrinkles on one side of the face where Enfuselle was being applied and compared these results to the control side where no skin care products or makeup was used.