

TheraWhite™ Skin Complexion Balancer

What is TheraWhite™ Skin Complexion Balancer?

Exposure to sun causes the skin to “tan”, in other words, increase its production of the pigment, melanin. Melanin is produced by specialized cells, called melanocytes, which are located at the base of the epidermis. Years of exposure to the UV radiation of the sun can cause some melanocytes to produce excess melanin while other melanocytes produce nothing. This uneven production of melanin leads to the localized appearance of hyperpigmentation spots, commonly called “age spots”. In addition to sun exposure, pregnancy and birth control pills can cause irregular skin pigmentation to occur. TheraWhite™ was designed to minimize the appearance of these “age spots” and to visibly restore a balanced complexion to the skin. Because hyperpigmentation results from an continuous gradient of melanin from the lowest part of the epidermis to the surface, once the production of melanin is shut off, it will take about 4 weeks for the skin renewal process to remove the existing melanin from the bottom to the top of the epidermis, in order to improve skin appearance. TheraWhite™ contains Therosol®-E, which has been scientifically shown to block melanin production at two steps along the melanin synthesis pathway. In addition to Therosol®-E, TheraWhite™ contains salicylic acid to help exfoliate the skin and accelerate the skin turnover process. TheraWhite™ is a moisturizing lotion that will help maintain skin softness, in addition to minimizing the appearance of “age spots” and restoring a balanced, youthful complexion.

What are some of the ingredients in TheraWhite™?

Therosol®-E

- A member of the Therosol® “family” of plant-derived compounds, Therosol®-E has been shown to have potent melanin inhibiting properties. Therosol®-E has been scientifically proven to not only block the synthesis of tyrosinase, the enzyme responsible for melanin production, but also to block the conversion of a melanin precursor into melanin. Thus, no melanin can be made by melanocytes.

Tocopheryl Acetate

- Also known as Vitamin E acetate, tocopheryl acetate is an excellent antioxidant and helps protect the skin by neutralizing free radicals.

Sunflower Oil

- Sunflower oil is light in taste and appearance and supplies more Vitamin E than any other vegetable oil. Sunflower oil, like other oils, helps to retain moisture in the skin. However, it may also provide a protective barrier that resists infection.

Niacinamide

- Also known as Vitamin B3, niacinamide helps to promote exfoliation. It also helps strengthen the skin’s barrier to prevent water loss.

Salicylic Acid

- Salicylic acid is a gentle “beta-hydroxyl” acid that helps exfoliate the skin. It boosts cell turnover which brings the existing melanin to the skin’s surface where it can be discarded.

Glyceryl Stearate, PEG-100 Stearate, and Cetearyl Alcohol

- These are all non-irritating emulsifiers which allow the oil and water phases of the lotion to mix evenly and form a stable emulsion. They are also emollients and moisturizers. They are typically used at concentrations less than 10% but can be used at levels near 50%. In Therametics’ products these ingredients are used at concentrations less than 3%.

Ascorbyl Palmitate

- Ascorbyl palmitate is an ester of ascorbic acid, commonly called Vitamin C, and palmitic acid. By complexing vitamin C into this fatty acid, vitamin C becomes stabilized. This is necessary because Vitamin C by itself degrades within minutes of being exposed to the water in a lotion or on your skin.
- Ascorbyl palmitate inhibits tyrosinase, the enzyme that produces melanin. Vitamin C has also been shown to stimulate collagen, reduce inflammatory hormone production and act as an anti-oxidant.



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Therapeutic Skin Care

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How do I use TheraWhite™?

After cleansing with Therametics' Foaming Cleanser, apply TheraWhite™ to brown "spots" of the skin and any areas that show unwanted hyperpigmentation. For best results, the product should be applied twice a day to discolored areas of the skin. Because age spots consist of melanin that forms a layer from the base of the epidermis, it will take about 4 weeks for all the existing melanin to be pushed to the skin's surface and removed. If using TheraWhite™ along with the Dermal Repair Serum, TheraWhite™ should be applied to "age spots" first and allowed to completely penetrate the skin before Dermal Repair Serum is applied. As with any skin care product, discontinue use if irritation develops.

Note: "Age spots" can be the result of too much melanin accumulating in EITHER the epidermis or dermis. Most hyperpigmentation problems are due to too much melanin in the epidermis and this can be effectively minimized by the use of TheraWhite™ and accelerated skin exfoliation. Hyperpigmentation that is due to melanin that has become "trapped" in the dermis is not easily removable. This pigment is similar to a tattoo and will be more resistant to treatment by any product, including TheraWhite™. Bleaching of these areas by laser treatments or more invasive procedures may be required to achieve the desired effects.

Are there any concerns I should know about the use of TheraWhite™?

No Sunscreen

TheraWhite™ does not contain any sunscreen. Because of this if the product is going to be applied in the morning to sun exposed areas, we recommend that a lightly moisturizing lotion with an SPF of 15 or more be applied to these areas after TheraWhite™ has completely absorbed into the skin.

Salicylic Acid

TheraWhite™ contains 2% salicylic acid to help exfoliate the skin and accelerate the skin's turnover process. The product is pH balanced and should be well tolerated by the skin. Salicylic acid is used in numerous skin care products and is an FDA approved OTC drug for acne and psoriasis. It is not a skin sensitizer. Allergies to salicylic acid are very rare. However, if TheraWhite™ causes long-term redness, please discontinue use as this could indicate an allergy to salicylic acid.