

SKINCEUTICALS **INSIGHTS**

MAY 2013 | VOLUME III

ANTIOXIDANTS AND SUN DAMAGE

WHAT CAUSES SUN DAMAGE?

Did you know that 90% of visible aging is caused by environmental damage*, and the sun is the number-one offender? Yes, UV rays are the root of this damage, and UV-induced free radicals are the source of cellular changes that lead to hyperpigmentation, fine lines, wrinkles, and skin laxity. Free radicals are molecules with unpaired electrons, which makes them unstable and highly chemically reactive. Inside the skin, free radicals damage cells, their DNA, and other vital cellular components.

The skin has a natural reservoir of antioxidants that neutralize free radicals before damage is done, but their protective benefits are quickly depleted by exposure to environmental and lifestyle factors such as UV rays, sun-induced free radicals, infrared radiation A (IRA), pollution, alcohol, and cigarette smoke. Antioxidants inhibit the oxidation of other molecules, and many do this by "donating" electrons. By stabilizing the molecules, their destructive effects on skin are prevented.

[Learn more >](#)

*Source: The Skin Cancer Foundation

FEATURED PRODUCT

ANTIOXIDANTS + SUNSCREEN = COMPLETE SKIN PROTECTION

Even the best broad spectrum sunscreen only blocks:

- 55% of the damaging free radicals created by UV exposure*
- 0% of the damaging free radicals created by IRA exposure**

Sunscreens are not enough...

SkinCeuticals antioxidants are shown to effectively penetrate skin, neutralize damaging free radicals, and promote new collagen synthesis. When used together, an antioxidant and sunscreen provide complete protection against Infrared Radiation A- and UV-induced photoaging and skin damage.

[Discover Antioxidants >](#)

*Haywood, R. et al (2006). *J Invest Dermatol* 121:862-868

**Shaoth. "Infrared Radiation and Sun Protection," *Happt*, March 2013



PRODUCT REGIMEN

PHLORETIN CF + PHYSICAL FUSION UV DEFENSE SPF 50



Combining 10% pure vitamin C, 2% phloretin, and 0.5% ferulic acid, Phloretin CF represents a new class of preventive and corrective topical antioxidant treatments. This serum has been proven to neutralize free radicals; significantly reduce hyperpigmentation and fine lines; and improve the skin's overall texture and tone. Phloretin CF is available in a serum ideal for normal, oily, and problematic skin types, as well as a serum-in-a-gel for normal, combination, and sensitive skin types.

[Learn more about Phloretin CF >](#)

Physical Fusion UV Defense SPF 50 is the ideal complement to Phloretin CF. This advanced broad spectrum sunscreen contains 100% physical filters in a weightless, water-resistant formula. It also has a universal tint that enhances all skin tones and boosts daily radiance.

[Learn more about Physical Fusion UV Defense SPF >](#)

MELANOMA AWARENESS

SKINCEUTICALS JOINS THE FIGHT TO FIND A CURE FOR MELANOMA



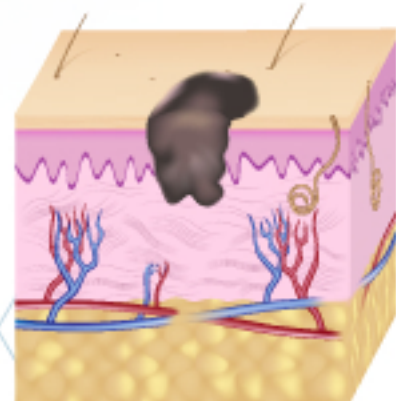
In our continued effort to advance skin health, SkinCeuticals is proud to partner with the Melanoma Research Alliance to find a cure for melanoma, the deadliest form of skin cancer. Spanning 168 investigators at 80 institutions and 13 countries, the MRA awarded \$48 million in research grants to treat, prevent, and diagnose melanoma. The SkinCeuticals-MRA Young Investigator Award promotes melanoma research among the future leaders of science and medicine.

[Learn more >](#)

INSIDE ACCESS: PROFESSIONAL INTERVENTION

MELANOMA EXAMS

Melanoma is the deadliest form of skin cancer and causes one death every hour in the U.S. alone,* but 99% of skin cancer patients survive with early detection. In addition to regular self-assessment, annual professional skin checks are essential. During a screening, your dermatologist will visually evaluate the skin; make notes to follow specific lesions, or biopsy any suspicious moles. Annual exams are sufficient for most patients, but those with a history of skin cancer or lighter skin and eyes may benefit from more frequent examinations.



[Find a skincare professional near you >](#)

*Source: Melanoma Research Alliance



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