

ABOUT LUCA®

LUCA® was developed by Surgical Pathologist Dr. Karl Gruber for his children, Elisa and Luca, who were irritated by sunscreens. Even after trying numerous products, and multiple visits to the dermatologist, they were unable to find a non-irritating product.

Dr. Gruber has also seen an increase in skin

cancers, including melanoma, within his practice.

This increase is certainly multi-factorial; however, it's speculated that the increased use of sunscreens with inadequate UVA protection may be an important factor. Our goal is to educate people about what to look for in quality sunscreen and to provide comfortable easy to use wearable products.





CRITICAL WAVE LENGTH®

Critical Wavelength® is the best way to measure the level of UVA protection, particularly long wavelength UVA protection.

The FDA has determined that a product must have a critical wavelength over 370 nm to be labelled as "broad spectrum". All LUCA® products exceed 370 nm.

LUCA® is the best UVA/UVB sunscreen in the US because our formulas arc developed to extend protection from the most dangerous solar rays, the UVA rays.

LUCA[®] was the first, and remains the only product on the market to place a Critical Wavelength[®] value on the label.





UVA / UVB EXPLAINED

- Most sunscreens only put a SPF rating on their products.
- SPF rating only measure UVB rays. 95% of the UV rays that reach the skin are UVA.
- UVA rays are low energy rays which do not produce a sunburn. Instead the low energy UVA rays because oxidative damage that is the main cause of melanoma (BRAF positive melanomas) and solar aging.
- It is vital that consumers know how far out

- into the UVA range a sunscreen protection umbrella extends.
- LUCA® is the only company that is actively educating consumers on how to select better sun protection products by putting the UVA rating Critical Wavelength, directly on labels.
- Unlike UVB rays which are most intense midday in the summertime, UVA rays remain constant all day and all year long.





CRITICAL WAVE LENGTH®

The graph above provides a good visual definition of Critical Wavelength[®]. Critical Wavelength[®] simply describes how far out a sunscreen protection "umbrella" (actually 90% of the umbrella) extends starting at the beginning of the UVB range.









Blue Lizard SPF 30

371

Anthelios SPF 50

378

Neutrogena SPF 55

372

LUCA® SPF 15 & 30

383

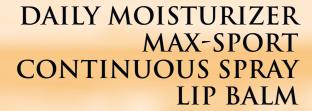
CRITICAL WAVELENGTH® VALUES LUCA® - THE BEST UVA PROTECTION ON THE MARKET

PRODUCT COMPARISON

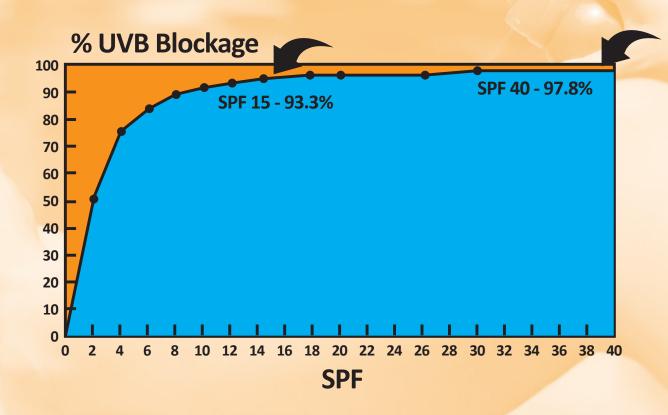
UVA protection provided by LUCA® and the next best brands (brands tested from the USA) using Critical Wavelength® - The best measure of UVA protection.











PHOTOCHEMISTRY | PHOTOBIOLOGY

SPF VS. UVB BLOCKAGE

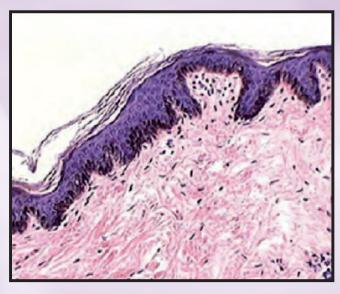
Photo-protection of sunscreens SPF Vs. UVB Blockage (R.M Sayre, 1979)



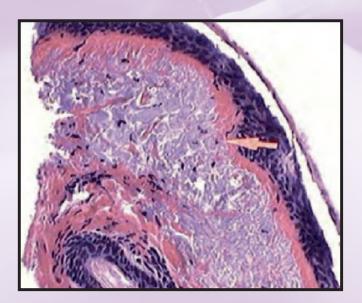
LUCA

DAILY MOISTURIZER MAX-SPORT CONTINUOUS SPRAY LIP BALM





Normal Skin



Solar Damaged Skin (Note the Collagen Breakdown)

NORMAL SKIN VS. DAMAGED SKIN

The damaged purple coloured collagen is a result of chronic UVA damage. This collagen breakdown leads to fine lines, wrinkles, sunspots, skin thinning and drying, and uneven pigmentation; all common features of chronic sun exposure.





CRITICAL WAVELENGTH® UVA PROTECTION VALUE

- Ultra-Rich Moisturizing Formula
- Helps Reduce The Signs Of Aging
- Oil Free
- Water Resistant
- Hypo-allergenic / Won't Clog Pores
- Can Be Used As A Full Body Sunscreen
- Ultra-Rich Moisturizing Formula
- Dermatologist Recommended

Active Ingredients: Homosalate 7.5%, Octisalate 5%, Oxybenzone 4%, Avobenzone 3%, Octocrylene 2.50%.





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LUCA® SUNSCREEN

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