



10 ml OSD
preservative
free



can be
used with
contact lenses



CE 0373
Medical
Device



BIBLIOGRAPHY

- 1) Vizzarri, Palazzo, Bartollino, Casamassima, Parolini, Troiano, Caruso, Costagliola. "Effects of an antioxidant protective topical formulation on eye exposed to ultraviolet-irradiation: a study in rabbit animal model". *Physiol Res*. 2018 Mar 12.
- 2) Bartollino, Parolini et al. "Effects of an antioxidant protective topical formulation on retinal tissue of uv-exposed rabbits", *International Ophthalmology Journal* (2019).
- 3) Di Nezza, Caruso, Costagliola, Ambrosone "Reaction-Diffusion model as framework for understanding the role of riboflavin in 'eye defense' formulations", *Royal Society of Chemistry Advances* (2020).

MAXIMUM PROTECTION AGAINST UV AND BLUE LIGHT

MANUFACTURER:



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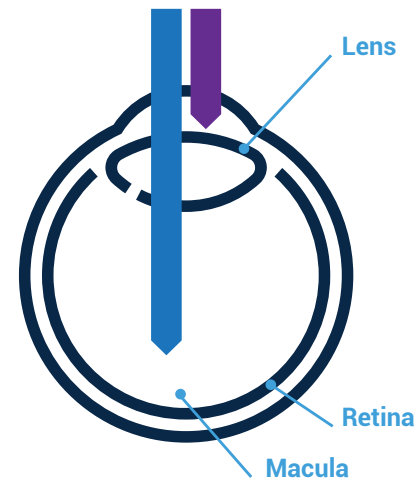


UV AND BLUE LIGHT

The human eye is constantly exposed to natural and artificial lighting.

Ultraviolet light exposure to the eye has been associated with cataract formation and retinal degeneration. In both cases, it is hypothesized that ultraviolet light can initiate formation of free radicals, which can cause protein modification and lipid peroxidation.

Exposure to short-wave **blue light** with wavelength between 380 nm and 450 nm has been associated, with different intensity and severity, to retinal photodamage, possibly leading to transient or permanent eye disorders in exposed workers.



**THE FIRST AND ONLY SOLUTION
CERTIFIED AS MEDICAL DEVICE
AND PERSONAL PROTECTIVE EQUIPMENT (PPE)
AGAINST UV AND BLUE LIGHT**



	UV LIGHT (100 - 380 nm)	COMES FROM 	RISKS - Crystalline lens opacification - Corneal burns - Early cataract onset
	BLUE LIGHT (380 - 450 nm)	COMES FROM 	RISKS - Headaches - Blurred vision - Eye strain and fatigue - Retinal damage - Increased AMD risk

EXCLUSIVE PATENTED FORMULATION

	RIBOFLAVIN	- UV & blue light absorption - Shielding effect
	VITAMIN E TPGS	- Penetration enhancer - Repairing effect
	MSM	- Antioxidant - Free radicals scavenger
	AMINO ACIDS	- Epithelial protection - Ocular surface nourishment - pH and osmolarity regulation

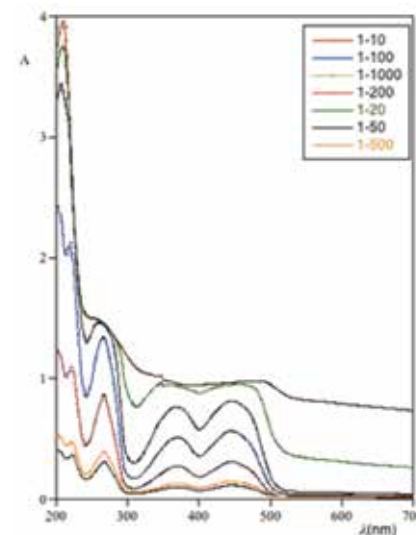
DROP defence

DROP defence® is an anti-UV ophthalmic protective solution based on Riboflavin sodium phosphate 0.05%, Vitamin E TPGS, MSM, amino acids and Hyaluronic Acid.

DROP defence® is a unique and certified **Personal Protective Equipment** that protects cornea, crystalline lens and retina against UV radiation, blue light, artificial light sources and prolonged sun exposure, preventing damages like photo-keratitis, photo-keratoconjunctivitis, cataract and AMD.

DROP defence® keeps the ocular surface hydrated and protected.

DROP defence® can be used with wearable contact lenses.



Graphic representation of the absorbance of DROP defence at different wavelengths, with different dilutions up to 1000 times its actual concentration.

ADVANTAGES

PREVENTION

- Damages caused by excessive UV and blue light exposure
- Photo-keratitis and photo-keratoconjunctivitis due to UV exposure
- Cataract occurrence, due to UV exposure
- Prevents macular ageing, caused by UV and blue light exposure

PROTECTION

- Wide spectrum, from 100 to 450 nm (UV and harmful blue light)
- In case of long exposure to computers, video terminals and TVs
- Indicated for outdoor sports and activities
- Indicated for exposures to high UV environments

CURE

- Ocular diseases that need higher protection against light

LONG LASTING EFFECT

- Up to 4 hours protection with one drop