

 **SERVImed**
 **iROMED Group**

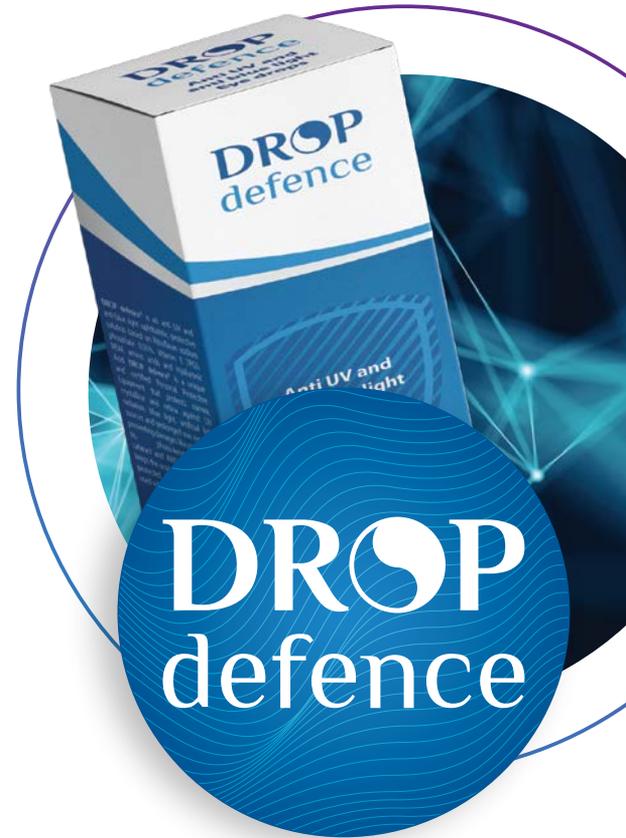
DROP defence

ANTI UV AND ANTI BLUE LIGHT
EYE DROPS

0 Y 0
CARO

THE FIRST AND ONLY EYE DROPS CERTIFIED AS MEDICAL DEVICE AND PERSONAL PROTECTIVE EQUIPMENT AGAINST UV AND BLUE LIGHT

DROP defence® is an anti-UV and anti blue light 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 [1-4].



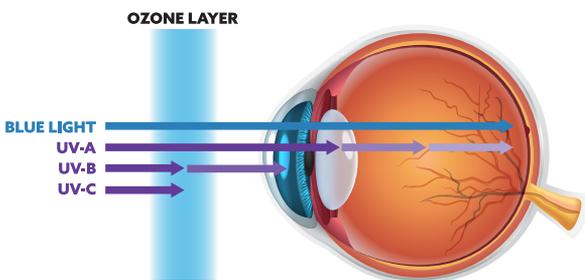
PROTECTION

Wide absorption spectrum, from 100 to 450 nm (UV and harmful blue light). Protects the cornea, the crystalline lens and the retina against UV radiation, blue light, artificial light sources and prolonged sun exposure.

PREVENTION

Prevents damages caused by excessive UV and blue light exposure; photo-keratitis and photo-keratoconjunctivitis due to UV exposure; prevents macular ageing, caused by UV and blue light exposure.

UV AND BLUE LIGHT: UNDERSTANDING THE RISKS



UV LIGHT (100-380 nm)

SOURCES



SUNLIGHT

RISKS

- Crystalline lens opacification
- Corneal burns
- Early cataract onset

BLUE LIGHT (380-450 nm)

SOURCES



SUNLIGHT



ARTIFICIAL LIGHTS & LED



TV



PC & LAPTOPS

RISKS

- Headaches
- Blurred vision
- Eye strain and fatigue
- Retinal damage
- Increased AMD risk

PATENTED FORMULATION

RIBO
FLAVIN
VITAMINE
TPGS
MSM
AMINO
ACIDS

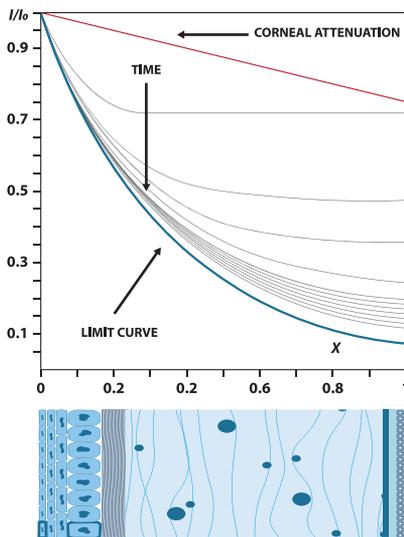
UV & blue light absorption
Shielding effect

Penetration enhancer
Repairing effect

Antioxidant
Free radicals scavenger

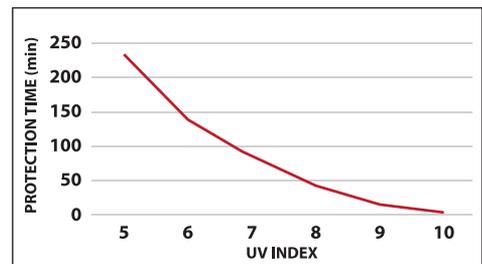
Epithelial protection
Ocular surface nourishment
pH and osmolarity regulation

WIDE PROTECTION SPECTRUM



Corneal absorbance spectrum as a function of the dilution factor.
Red line: corneal absorbance without DROPS defence.
Limit curve: corneal absorbance with DROPS defence.

LONG LASTING PROTECTION



BIBLIOGRAPHY

- 1) Vizzari F, Palazzo M, et Al. "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 S., Palazzo M., et Al. "Effects of an antioxidant protective topical formulation on retinal tissue of UV-exposed rabbits." *Int Ophthalmol* 2020.
- 3) Di Nezza F, Caruso C, et Al. "Reaction-diffusion model as framework for understanding the role of riboflavin in "eye defence" formulations." *RSC Adv.*, 2020, 10, 14965.
- 4) Palazzo M, Vizzari F, et Al. "Corneal UV Protective Effects of a Topical Antioxidant Formulation: A Pilot Study on In Vivo Rabbits." *Int. J. Mol. Sci.* 2020, 21(15), 5426.

10 ml OSD bottle
preservative free



Can be used with
contact lenses



Class IIB
Medical Device

PATENTS: Italy, Europe, USA,
Russia, Australia, South Africa,
Brazil.



SERVimed Industrial S.p.A.

Via Tempio del Cielo 3/5, 00144 Rome (Italy)
Tel: +39 06 92595490 Fax: +39 06 89360010
Email: info@servimedindustrial.com
www.servimed-industrial.com



Iromed Group S.r.l.

Via Tempio del Cielo 3/5, 00144 Rome (Italy)
Email: info@iromedgroup.com
www.iromedgroup.com