

# SOPROLIFE

Light Induced Fluorescence Evaluator

The  
**Blue**  
revolution



# See the invisible

Dentistry will be changed forever... SOPROLIFE will allow you to see what was once invisible to your eyes. SOPROLIFE offers you the ability to detect tooth decay at different stages of its development thus allowing you to determine the most adequate treatment.

The auto fluorescence technology in SOPROLIFE will allow you to detect occlusal or interproximal decay -even in its earliest stages- which is often missed by X-rays.

SOPROLIFE allows you to differentiate healthy from infected tissue in order to excavate only the tissue which is diseased.



# SOPROLIFE

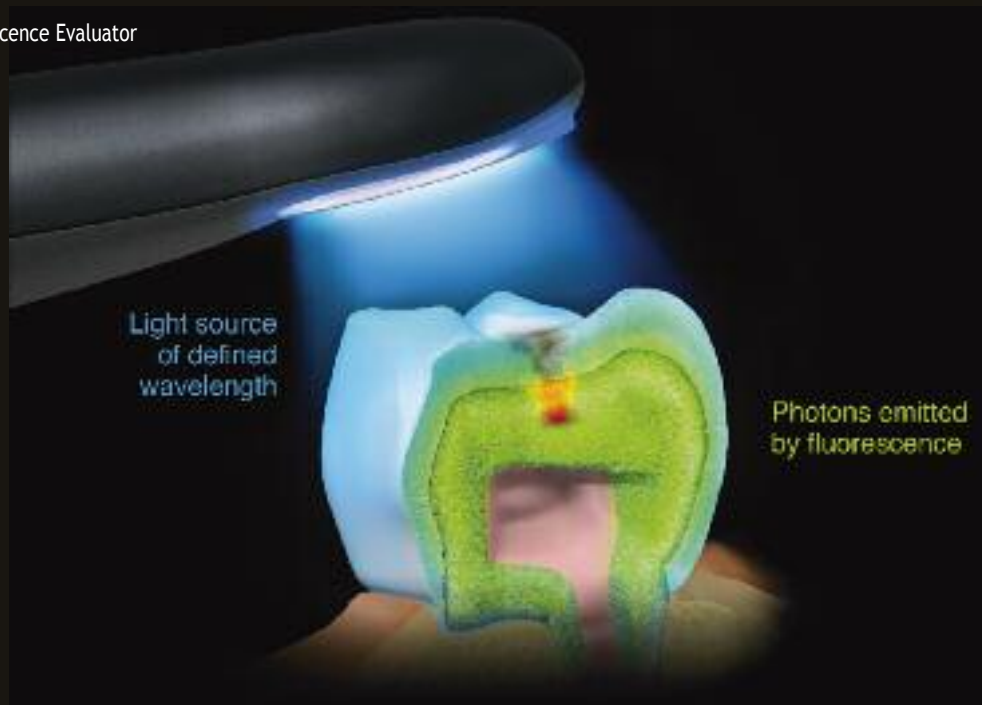
Light Induced Fluorescence Evaluator

A new *era*

***"Development of a patented technology based on the principle of fluorescence"***

Over the last five years, SOPRO, the global leader in dental video imaging, has applied all of its technical expertise, in conjunction with scientific and clinical researchers, to develop a patented technology which is based on the principle of fluorescence. The result of this effort is a revolutionary new device—SOPROLIFE\* which is used for the diagnosis and treatments of caries.

\*Light Induced Fluorescence Evaluator



## Definition of Fluorescence

A fluorescent molecule (fluorophor or fluorochrom) owns the capacity to absorb luminous energy (light of excitation) and to reconstitute it rapidly under the form of fluorescent light (emitted light). In dentistry, the tooth is illuminated according to a defined wavelength and the tissues are characterized by auto fluorescence.

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## diagnosis aid mode

***"Use SOPROLIFE to enhance your vision during clinical examination"***

With SOPROLIFE, gain more accuracy in identifying, determining the location of, and evaluating a decayed lesion with an image magnification of 30 to 100 times. Alerts are expressed by variations of auto fluorescence linked to a magnified vision of the amelodentinal architecture. The interpretation follows the LIFE-D.T.\*concept (extract from the SOPROLIFE Clinical Guide).

***"See the invisible"***

SOPROLIFE provides better detection of decays than other available devices. It also detects proximal lesions, unlike other devices, thanks to its ergonomic design.

***"Time-saving diagnosis"***

The speed of diagnosis and proposing a treatment protocol is greatly increased.

***"Less X-ray exposure for your patients"***

The fluorescence imagery of SOPROLIFE surpasses the limits of digital radiology in the detection of the lesions of hard tissues (LIFE-D.T.\*concept - extract from the SOPROLIFE Clinical Guide).



# treatment aid mode

## *"The end of blind treatments"*

The fluorescence images produced in the treatment aid mode show a differentiation of pre-operative healthy tissue versus diseased tissue.

## *"Improve your clinical performance with ease and eliminate the guess work"*

Differentiation of diseased versus healthy tissue allows the dentist to make precise preparations that are less invasive and allow him/her to control waterproofing of the walls before filling. In treatment aid mode, it is specifically oriented on dentine whereas in diagnosis aid mode, it focuses on enamel structure.

In prosthetics treatment, it informs the dentist on the quality of the tissues before sealing the restorations.

- Trace the history of the lesion and its evolution in order to guide your treatment.
- Be informed about the quality of tissues to determine the limits of exeresis and preserve the pulp.
- Guarantee the permanence of dental care - preserve the teeth of your patients.
- Comfort your patient with increased longevity of your prosthetic restorations.



## Operatory protocol

1. Pre-operative observation and analysis in diagnosis aid mode
2. Diagnostics and therapeutic decision
3. Treatment protocol
4. Pre-operative observation and analysis of the lesion in Treatment aid mode
5. Restoration of the lesions

# daylight mode

***"The SOPROLIFE is the only fluorescence camera in the world offering two different types of vision"***

The daylight mode allows you to get acquainted with images in blue light by comparing them with images under white light. This mode allows a specific observation of the structures surrounding the tooth such as the periodontium, whereas the blue light focuses on the tissues of the tooth.

You can shift from one mode to the other and preserve the communication with your patient.

## ***"Ergonomics"***

The SOPROLIFE easily adapts into any dental practice thanks to its versatility, sleek profile, and ease of use.

## ***"From portrait to macro vision"***

No matter which position is selected, the image is clear immediately thanks to the very large depth of field that the SOPROLIFE offers.

## ***"Unmatched image quality"***

Developed around a 1/4" CCD and high quality electronics, this highly sophisticated optical unit allows the SOPROLIFE to provide unsurpassed image quality for each mode in white as well as in blue light.



Portrait



Smile



Intra-oral



Macro



# Always easier

*"SOPROLIFE fits your needs"*

It can be connected to any color monitor or to any imagery software.

## sopro imaging

Connected to Sopro Imaging, a dedicated module allows you to have a personalized and customized follow-up of the patients.

- *Intuitive*
- *Ergonomic*
- *Windows and Mac compatible*
- *Compatible with Management software*

**WINDOWS®  
VERSION**



**MAC®  
VERSION**



# SOPROLIFE

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## Specifications

### SoproLIFE

- High sensitivity 1/4" CCD.
- Resolution: (752x582) PAL; (768x494) NTSC.
- Lighting: White Mode: 4 LED ; Blue Mode: 4 LED
- Adjustments: 4 pre-set positions (Extra-oral, Intra-oral, LIFE, Macro)
- Freeze Frame with SoproTouch or pedal (option).
- Angle of view: 70°.
- Cable length: 2,5 m.
- Dimensions of the handpiece in mm: L. 200 x W. 30 x H. 24.
- Weight: 78 g.



[www.soprolife.com](http://www.soprolife.com)



### Dock M-Video

- Storage of one or four images.
- Power supply: 115 V-60 Hz & 230 V - 50 Hz.
- Power consumption: 9 VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- Dimensions of the dock in mm:  
L. 145 x W. 130 x H. 35.
- Weight of the dock: 245 g.

### Dock MU-Video

- Storage of one or four images.
- Power supply: 24 V-; 50 Hz - 60 Hz.
- Power consumption: 10 VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- Dimensions of the dock in mm:  
L. 100 x W. 72 x H. 36.
- Weight of the dock: 190 g.



### Dock M-USB2

- Storage of one or four images.
- Power supply: 115 V-60 Hz & 230 V - 50 Hz.
- Power consumption: 9 VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB 2.0 output.
- Dimensions of the dock in mm:  
L. 145 x W. 130 x H. 35.
- Weight of the dock: 245 g.

### Dock MU-USB2

- Storage of one or four images.
- Power supply: 24 V-; 50 Hz - 60 Hz.
- Power consumption: 10 VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB 2.0 output.
- Dimensions of the dock in mm:  
L. 100 x W. 72 x H. 36.
- Weight of the dock: 190 g.



### Dock USB2

- One digital USB 2.0 output.
- Dimensions of the dock in mm:  
L. 100 x W. 46 x H. 20.
- Weight of the dock: 165 g.

### Dock U-USB2

- Power supply : 24 V ; 50 Hz - 60 Hz.
- Power consumption : 15 VA.
- One digital USB 2.0 output.
- Dimensions of the dock in mm:  
L. 50 x W. 75 x H. 36.
- Weight of the dock: 76 g.

Discover the Acteon Imaging universe on [www.acteongroup.com](http://www.acteongroup.com)

