



**LEADER TECNOLOGICO IN SPETTROSCOPIA DAL 1952**  
*...LE SUE ANALISI MERITANO LE NOSTRE "PERFORMANCE"*

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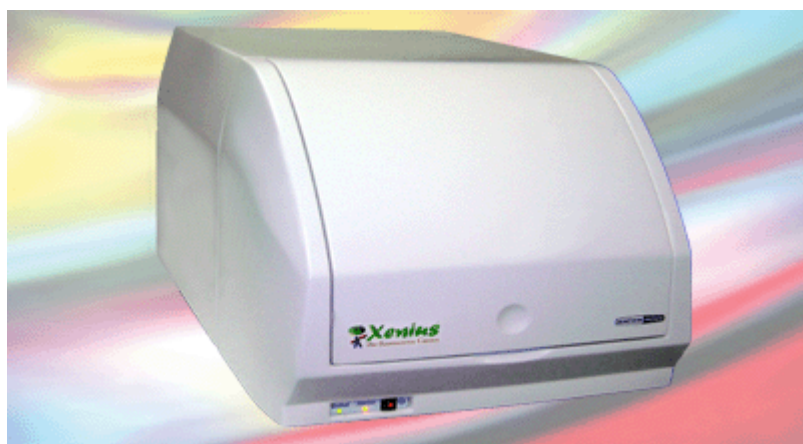
## **Luminometro per micropiastre SAFAS Xenius XL: sensibilità e dinamica eccezionali, implementabilità unica**

**SAFAS Xenius XL è un' lettore di micropiastre in bioluminescenza dotato di una sensibilità eccezionale, con un fotomoltiplicatore a conteggio di fotoni ultra-rapido (fino a 120 Mcps, e lineare fino a 100Mcps), e capacità di discriminazione di fotoni individuali. Le misure sono realizzate senza fibre ottiche (tecnologia 100% air), e con 1 a 15 iniettori opzionali. Uno spettro di bioluminescenza può anche essere tracciato (opzionale). E implementabile e può ricevere ulteriormente un monocromatore per Assorbanza, un secondo monocromatore per fluorescenza, un porta cuvette per 10 cuvette, polarizzatori, etc...**



*Siamo spiacenti, questo articolo non è ancora disponibile in Italiano...*

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### **An evolutive LUMINOMETER with outstanding performances**

SAFAS Xenius XL is a microplate luminometer with exceptional performances and evolutivity. Based on innovative technologies and superb optics, it is fitted with a 100% AIR technology (no fiber optics) and a high sensitivity photon counting photomultiplier, able to count from single photon up to 120 Mcps, with perfect linearity up to 100Mcps.

It features a very low cross-talking (typically 10<sup>-5</sup> on 96 wells microplates), and is able to inject 2 different reagents in measurement position.

The luminometer Xenius XL can also achieve bioluminescence spectra on each individual well, with automatic data processing, as well as in cuvettes (option). With a scan speed up to 7000nm/minute, it is also fitted with many automatic data processing functions (depending on options).

In 1959, SAFAS introduced the world's 1st spectrofluorometer fitted with 2 grating monochromators: it was a major breakthrough in spectroscopy. Today, the Xenius is a new breakthrough, bringing to science as much as had been bringing the Spectralux in 1959.

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### **Many options are available**

Xenius XL can be fitted with temperature controlled holders, make fast or long kinetics, work up to 10 different wavelengths of bioluminescence, inject during analysis (up to 15 injectors, and up to 75 injection areas), or be fitted with automatic polarizers for fluorescence anisotropy. It can achieve Absorbance spectra, and several specialized software can be added.

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## An evolutivity unique on the market

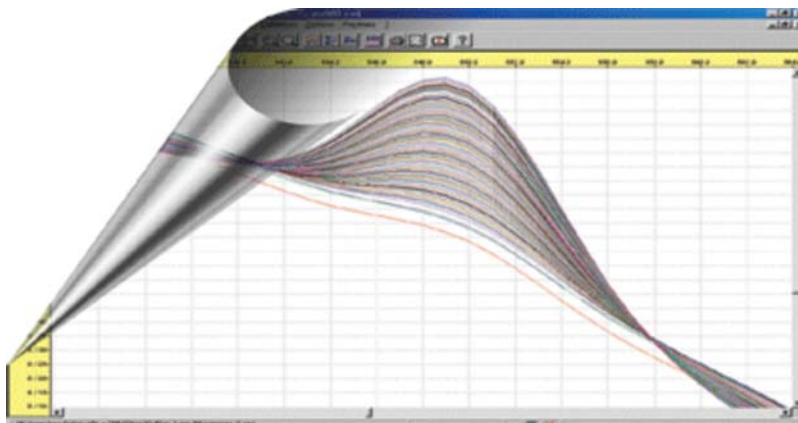
The microplate luminometer SAFAS Xenius XL is evolutive, and can receive one or two monochromators for Absorbance and fluorescence, fiber optics for in situ measurements, polarizers, etc... All the options can be mounted simultaneously and don't require any dismantling.

## Exceptionally powerful software

Last but not least, the software are intensively developed by SAFAS since 1988, when SAFAS introduced the world's first PC controlled spectrophotometer, button free.

Since then, all our customers have profited by our policy of free software update for instrument's life, making their investment a very long term one and avoiding obsolescence of their equipment.

Among many possibilities, our multiwavelength module for series of samples, our intracellular ions module, and our 3D spectra module are among the most impressive.



*Nota:*

*-most of the possibilities described hereunder are optional: please ask us*

*-for software updates, a participation to CD and shipment is requested*

## MAIN FEATURES (depending on options)

|                              |  |
|------------------------------|--|
| <b>spectral range</b>        | 200 to 650nm in photon counting direct bioluminescence, 200 to 1000nm for bioluminescence spectra  |
| <b>cross talking</b>         | about 10-5 on a 96 well microplate   |
| <b>bioluminescence scan</b>  | up to 7000 nm/minute (optional)  |
| <b>bandwidth</b>             | with optional spectra: fixed, or optionally continuously variable from 2 to 20nm   |
| <b>analytical techniques</b> | Luminescence, optional: Absorbance, Fluorescence, Anisotropy   |
| <b>kinds of samples</b>      | microplates (without fiber optics, 100%air technology), and optionally: cuvettes, measurements in situ with fiber optics, dewar for low temperatures, integrative sphere, etc... |

**SAFAS** - FABBRICANTE DI SPETTROFOTOMETRI (UV, VISIBILE, INFRA-ROSSO, ASSORBIMENTO ATOMICO), SPETTROFLUORIMETRI, LUMINOMETRI, LETTORI DI MICROPIASTRE, ANALIZZATORI

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