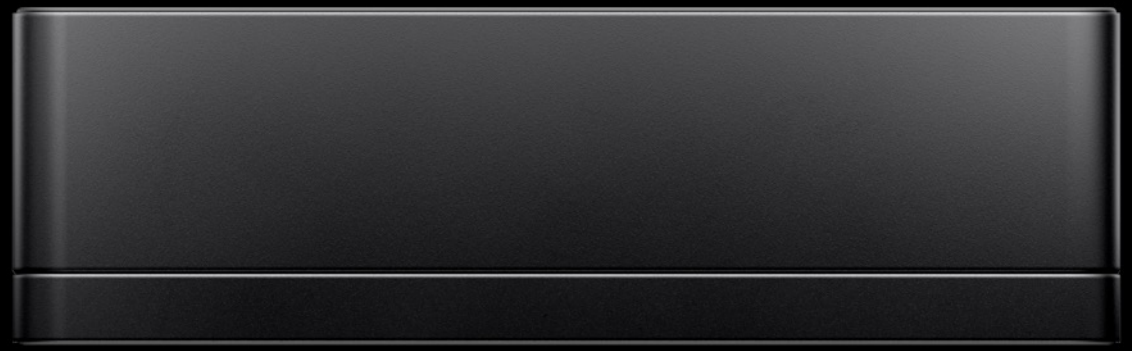
Luminescence 96
The Dawn of a New Era



Using 96 highly sensitive silicon photomultipliers, Luminescence 96 is an entirely new type of luminometer.

Its ultra-compact design at its unprecedented price makes Luminescence 96 accessible to every lab.

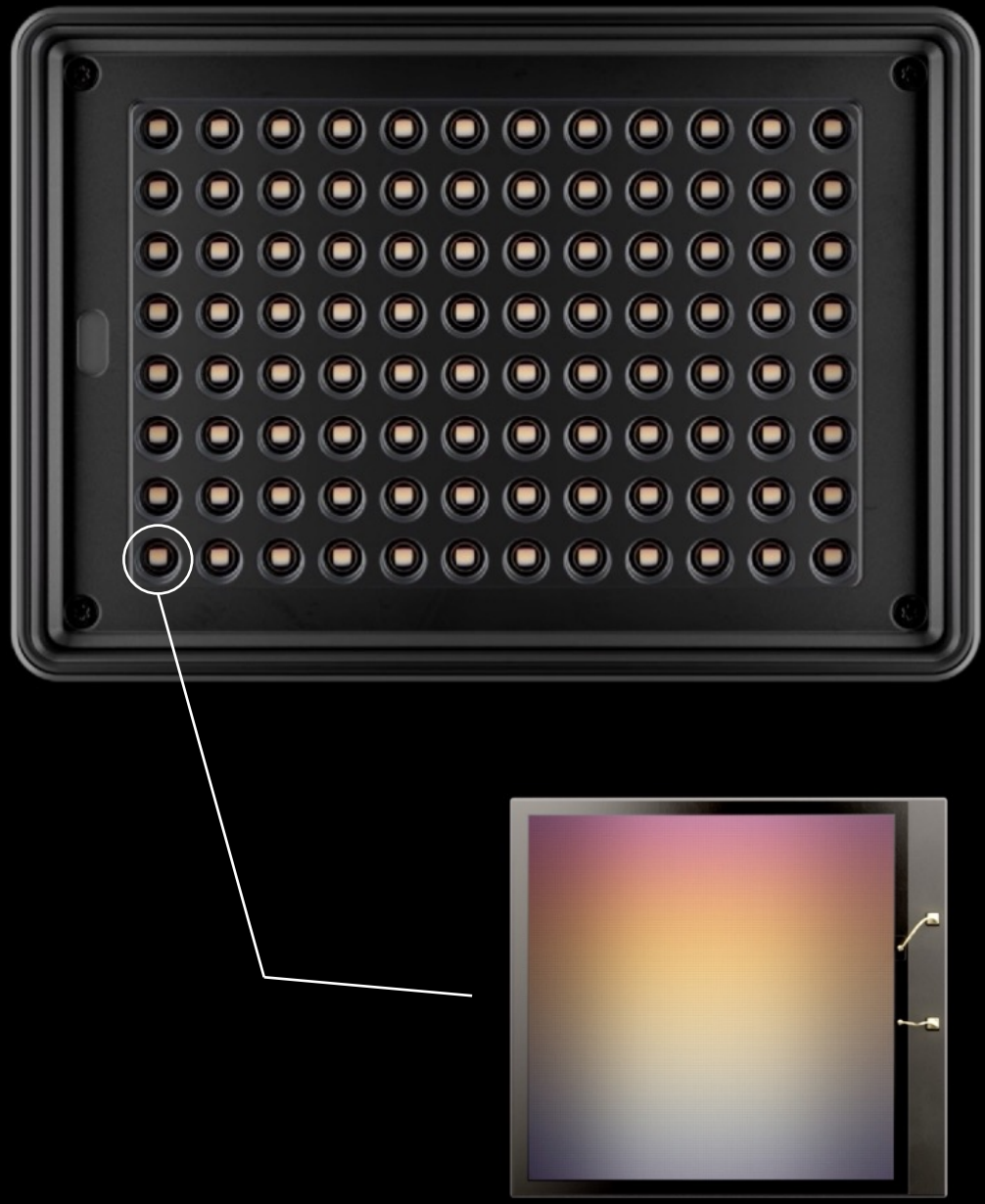


Your Personal Luminometer



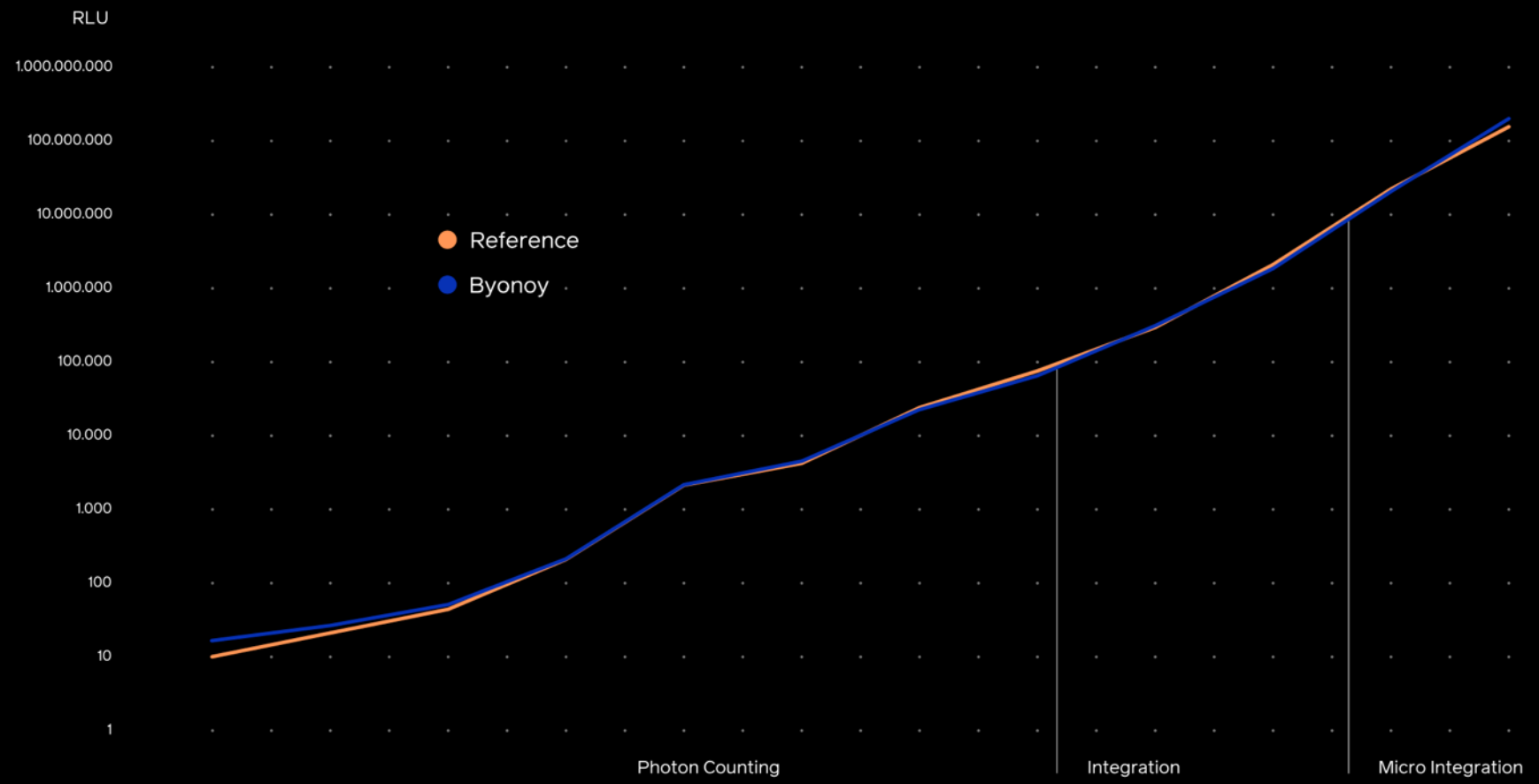
Luminescence 96 is not only a fraction of the size, but also a fraction of the price of a traditional luminometer, providing access to cutting-edge technology for every lab, and even every workstation. End your reliance on centralized equipment and join Byonoy in pioneering the decentralized laboratory.

96 Silicon Photomultipliers. In One Plate Reader.



Luminescence 96 is the first plate reader to implement highly sensitive silicon photomultipliers. Sophisticated electronics parse the incredible amounts of information cascading from these highly sensitive detectors. An incredible 96 total detectors adapt instantly according to the signal intensity of each well, reaching a sensitivity of 100 fmol ATP/well.

Dynamic Range.
Reached the Peak.



Luminescence 96 has a linear dynamic range of up to 8 decades. To access the full potential of the silicon photomultipliers, three readout methods are used: photon counting, integration, and micro integration.

Cross-Talk. Eliminated.

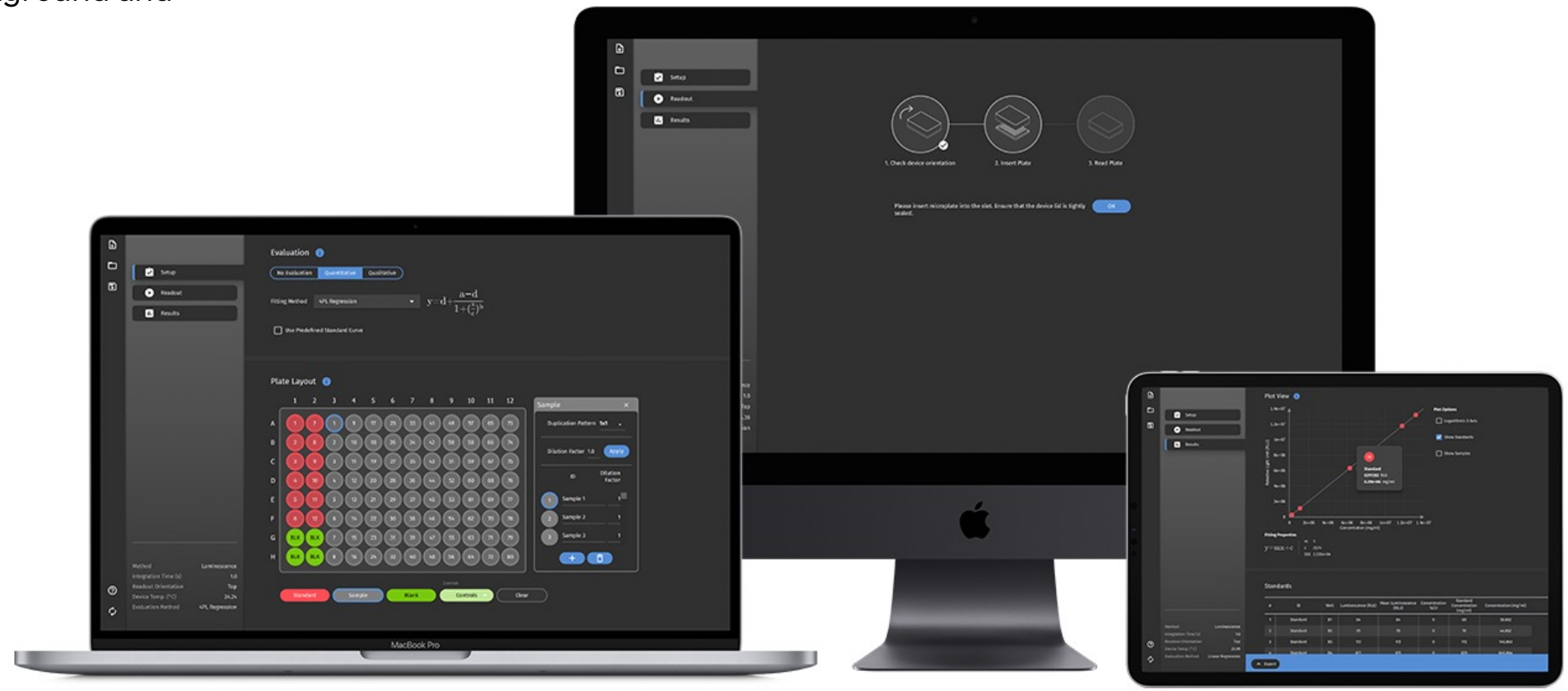


With Luminescence 96, every millimeter counts. By bringing the microplate within a 10th of a millimeter of the detector, cross-talk is, at < 0.7 x 10^{-6}, practically eliminated.

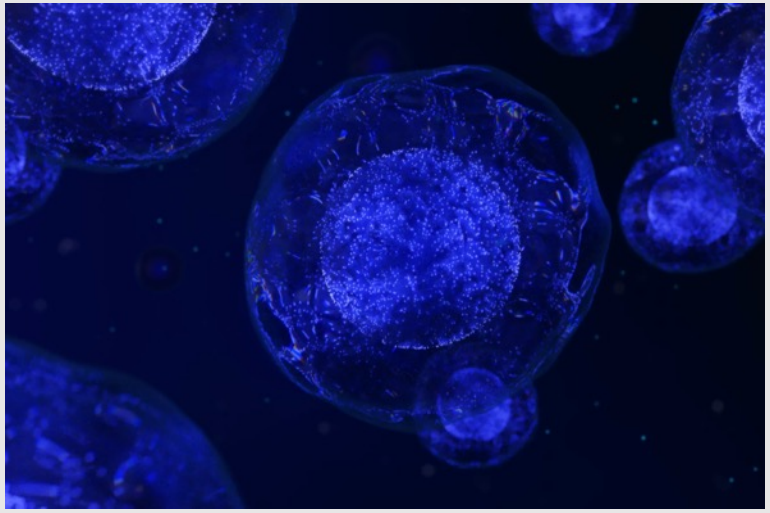
An Intuitive Way to Results

With its dedicated app, Luminescence 96 provides a tailored user experience that allows you to shut out the background and focus on your research.

macOS Windows Plug & Play

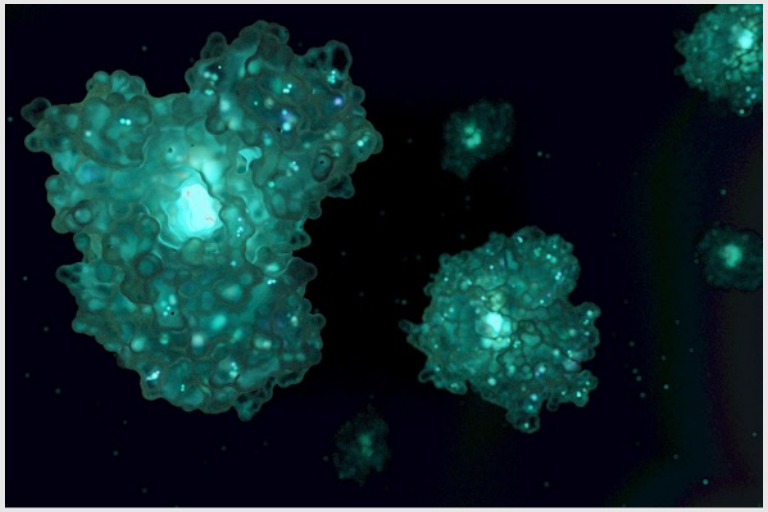


Explore the Possibilities



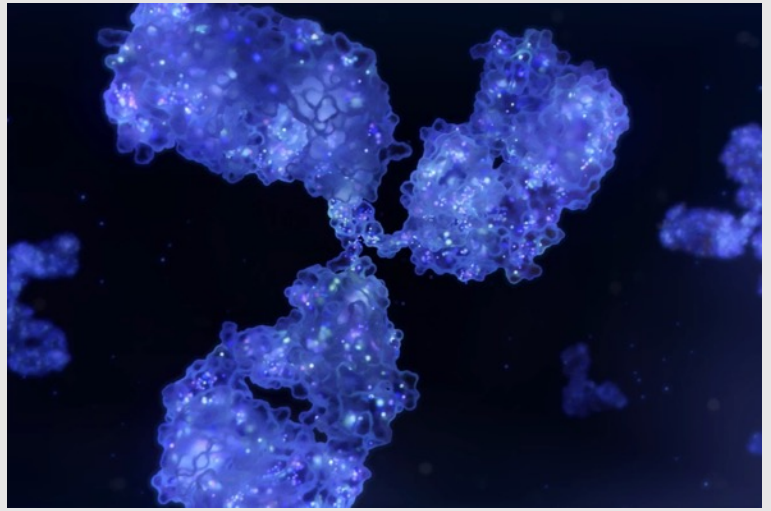
Cell viability assays

Easily answer the most essential question in any cell culture workflow.



Reporter Gene Assays

Access the power of genetic technology to sensitively evaluate gene expression.

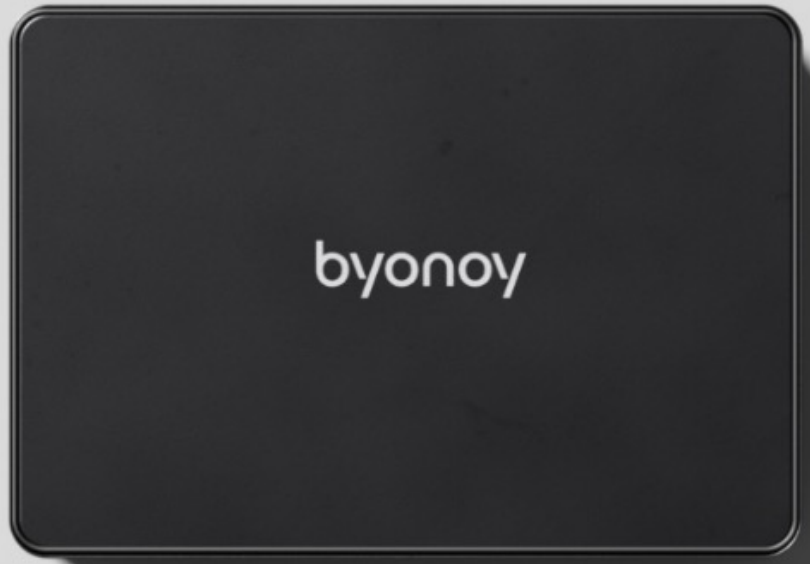


ELISA Assays

Take advantage of increased sensitivity with luminescence-based immunoassays.

Illuminate Your Lab

For just 8950 $



Specifications

General	Type of product	Single-mode Luminometer
	Detection method	Luminescence
	Detection mode	Endpoint, kinetic
	Microplates types	96-well microplates, white or black
	Readout	Glow, Flash (Development times > 5 seconds, manual addition of reagents)
	Readout orientation	Top and bottom readout
Measurement	Detector	96 Silicon Photomultiplier
	Sensitivity	100 fmol ATP/well (preliminary result)
	Linear dynamic range	8 decades
	Cross talk	0.7×10^{-6} RLU
	Well-to-well variability	< 5 %
	Data output	USB 2.0 interface with PC or WLAN
	Temperature for measurement	15–40 °C
Physical characteristics	Dimensions/Weight	9,8 x 14,0 x 4,2 cm (W x L x H), 570 g
	Power supply/consumption	USB connection 5 V/2.5 Watts
Software	Operating systems	Windows, MacOS, Android

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