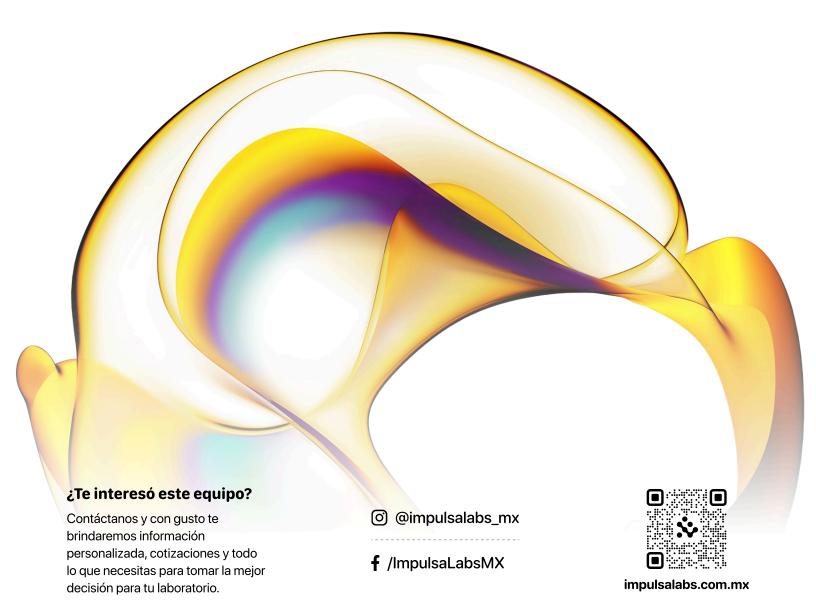




# VICTOR® Kira™

**English Version** 



### VICTOR® Kira™





#### **Description**

The VICTOR Kira™ multimode plate reader is designed with the intent to help streamline your lab work. This multimode reader offers detection for absorbance, fluorescence, and luminescence, and our monochromator based technology allows for flexibility across multiple wavelengths. With VICTOR Kira, you'll enjoy a modern, easy to use software interface to support your complete workflow.

Complementing the VICTOR Kira, our comprehensive Revvity portfolio includes a wide array of assay kits and microplates. Additionally, our expert service and application support team is here to support you. The VICTOR Kira is a versatile, user-friendly solution that helps to empower your research.



#### **Detection technologies:**

- Absorbance
- Fluorescence
- Luminescence

#### **Key features:**

- Quad monochromator detection: Offers flexibility to run assays at multiple wavelengths
- Three detection modes: Absorbance, fluorescence, and luminescence for diverse applications
- Modern software interface: Intuitive and user-friendly supporting easy operation
- Built-in calculations: Provides analyzed data after measurement

#### **Specifications:**

Physical Data					
Computer recommendations	Height	500 mm			
	Width	330 mm			
	Depth 550 mm				
	Weight	45kg			
Electrical requirements	Main voltage: 110-230V, 50/60 Hz				
Light source	Xenon flash lamp				
Electrical requirements	Plate formats				
Temperature control	+5 °C above ambient up to 65 °C				
Shaking	Linear, orbital, double orbital				
Computer recommendations	Bandwidth (FWHM)	8 nm			
	Wavelength range (increments)	230-1000 nm (excitation), 1 nm increments; 245-850 nm (emission), 1 nm increments			
Computer recommendations	Any operating system with common web browsers				





## VICTOR® Kira™



Typical Throughput (Time per Plate) (100ms exposure data)				
Detection	96-well	384-well		
Absorbance	21s	60s		
Fluorescence	22s	58s		
Luminescence	22s	61s		

Detection Limit Specifications					
Absorbance					
Dynamic range		0-4 OD			
Accuracy @ 20D**		<1%			
Precision @ 20D**		<0.2%			
Wavelength ra	Wavelength range		230-1000 nm		
Fluorescence	96-well		384-well		
Sensitivity (top reading)	0.6 fmol		0.2 fmol		
Sensitivity (bottom reading)	<3 fmol		-		
Wavelength range	Exc: 230-825 nm Ems: 245-850 nm		Exc: 230-825 nm Ems: 245-850 nm		
Dynamic range	>6 decades		>6 decades		
Luminescence	96-well		384-well		
Sensitivity (ATP) (top reading)	-		0.6 fmol/well (glow)		
Wavelength range	400 nm-700 nm				

<sup>\*\*</sup> Measured at 490nm



