

# XF Instrument Selection Guide

The power of XF technology for every lab



**XFp Analyzer**



**XF<sup>e</sup>24 Analyzer**



**XF<sup>e</sup>96 Analyzer**

<b>Plate Format</b>	XFp Miniplate	XF24 Microplate	XF96 Microplate
<b>Number of Assay Wells</b>	6	24	96
<b>Microchamber Volume</b>	2 $\mu$ L	7 $\mu$ L	2 $\mu$ L
<b>Controller</b>	Integrated full-color touch screen interface to design basic protocols and run imported templates.	Combination computer and touch screen display with full assay design, control, and analysis capability.	Combination computer and touch screen display with full assay design, control, and analysis capability.
<b>Software</b>	Create and run standard assays on Controller or design on Wave desktop, transfer to Controller, return to desktop for analysis.	Design and analyze assay templates on Controller or Wave desktop.	Design and analyze assay templates on Controller or Wave desktop.
<b>Best For</b>	<ul style="list-style-type: none"><li>• Pairwise comparisons.</li><li>• Precious biomaterial.</li><li>• Patient-derived samples.</li></ul>	<ul style="list-style-type: none"><li>• Cells needing more surface area or volume.</li><li>• Islets</li><li>• Model organisms.</li></ul>	<ul style="list-style-type: none"><li>• Testing many conditions at one time.</li><li>• Dose-response studies.</li><li>• Spheroids.</li></ul>
<b>Key Advantages</b>	<ul style="list-style-type: none"><li>• Easy to set up and run via streamlined interface.</li><li>• Standardized protocols for XF Stress Tests.</li></ul>	<ul style="list-style-type: none"><li>• Larger well capacity is preferred for samples sensitive to growth conditions.</li><li>• Validated for hypoxia.</li></ul>	<ul style="list-style-type: none"><li>• Maximum experimental flexibility.</li><li>• Highest throughput.</li><li>• Validated for hypoxia.</li></ul>

## All XF Analyzers Feature:

- Ability to perform up to 4 independent injections per well with automatic mixing.
- Sample heating (ambient +7 to 39°C).
- Simultaneous measurement of OCR and ECAR in the same well.
- Sensitivity for small sample sizes.
- Label-free detection in real time.
- Automatic calculation of oxygen consumption rate and extracellular acidification rate.
- Windows-compatible desktop analysis software (Wave) for plotting, reporting, analyzing, and exporting your XF data.

Learn more

