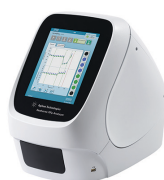




Agilent Seahorse XF Instruments

Selection Guide



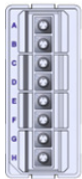
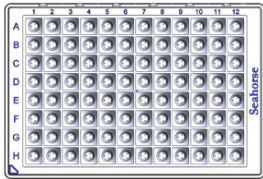
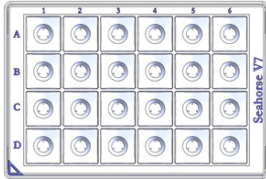
Agilent Seahorse XFp Analyzer



Agilent Seahorse XFe96 Analyzer



Agilent Seahorse XFe24 Analyzer

Plate format			
Microchamber volume	2 μ L	2 μ L	7 μ L
Controller	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
Software	Integrated XFp software guides setup for standard assays, automatically calculates rates in real time, and provides simple file transfer for data analysis. Wave Desktop software provides analysis tools and data export options.	Wave Controller software includes preloaded templates for quick experimental design, automatically calculates rates in real time, and provides tools for data interpretation as well as export options.	
Best for	<ul style="list-style-type: none"> • Pairwise comparisons • Phenotyping single samples • Precious biomaterial • Patient-derived samples 	<ul style="list-style-type: none"> • Phenotypic screening • Testing many conditions at one time • Dose-response studies • Spheroids 	<ul style="list-style-type: none"> • Islets • Larger samples
Key advantages	<ul style="list-style-type: none"> • Easy to set up and run via a streamlined interface • Standard protocols for XF assays • Validated for assay temperatures 16–40 °C (8–20 °C lower ambient temperature required) 	<ul style="list-style-type: none"> • Maximum experimental flexibility • Highest throughput • Validated for hypoxia • Validated for assay temperatures 16–42 °C (12–20 °C lower ambient temperature required) 	<ul style="list-style-type: none"> • Validated for hypoxia • Validated for assay temperatures 16–42 °C (12–20 °C lower ambient temperature required) • Balances throughput and budget considerations



Agilent Technologies

All Agilent Seahorse XFe and XFp Analyzers feature:

- Compatibility with adherent and suspension cells as well as isolated mitochondria and non-mammalian samples
- Ability to perform up to four independent injections per well with automatic mixing
- Automatic calculation of oxygen consumption rate (OCR) and extracellular acidification rate (ECAR)
- Simultaneous measurement of OCR and ECAR in the same well
- Sensitivity for small sample sizes
- Label-free detection in live cells, in real time
- Windows-compatible desktop analysis software (Wave) for plotting, reporting, analyzing, and exporting your Agilent Seahorse XF data

www.agilent.com/chem/discoverXF

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Not for use in diagnostic procedures.

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