

Specifications



Uses

Agilent Seahorse XFe96 Analyzers measure the oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) of live cells in a 96-well plate format

- 96-well plate format accommodates many conditions in a single run, for flexible assay design, dose-response studies, and screening
- Reports real-time metabolic rates in minutes, without sample extraction or labelling
- Four-port injection system with automated mixing function, for detection of live-cell responses to substrates, inhibitors, and other compounds in real time
- High-sensitivity analysis of as few as 5,000 cells per well using the custom 96-well plate
- Precision-controlled heating tray, maintains 16–42°C temperatures (12–20°C above ambient conditions), for compatibility with a variety of sample types
- Quickly determine dependency of cellular energy production on mitochondrial substrates
- Generate a metabolic phenotype within one hour for fast data turnaround
- Analyze 3D samples such as spheroids and islets
- Wave software allows easy assay protocol creation and data analysis on your desktop PC and export to common spreadsheet and graphing programs

This system is free to everyone, contact the Imaging Core Staff before setting up an experiment on this system.

