

Title	Seahorse XF96 Analyzer
Purpose of equipment	Seahorse XF96 Analyzer is used to measure mitochondrial respiration and glycolysis in live cells
Technical Information/equipment Spec.	The Seahorse XF96 Analyzer measures OCR and ECAR of live cells in a 96-well plate format. OCR and ECAR rates are key indicators of mitochondrial respiration and glycolysis and these measurements provide a systems-level view of cellular metabolic function in cultured cells and ex-vivo samples. Changes in the extracellular media are caused by the consumption or production of analytes by the cells. Therefore, a sensitive measurement of the media flux can be used to determine rates of cellular metabolism with great precision and in a totally non-invasive, label-free manner.
Key responsible investigator	Prof Paul Moynagh
Location	Bioscience Building Room 3.05