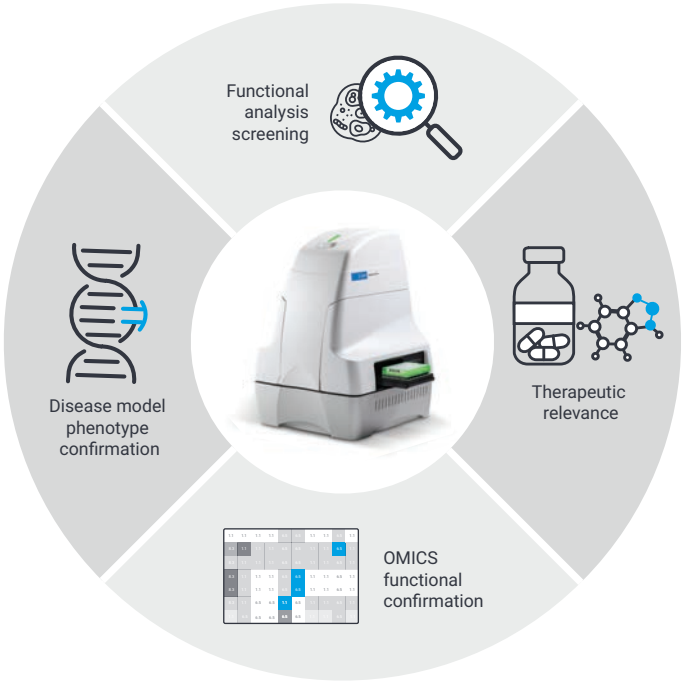
Confirm Therapeutic Relevance and Validate Your Target in Early Drug Discovery

Agilent Seahorse XF technology

With turnkey solutions, the new Agilent Seahorse XF Pro analyzer and our XF assays allow early pharma and biopharma discovery teams to see how easy it is to perform functional cellular analysis.

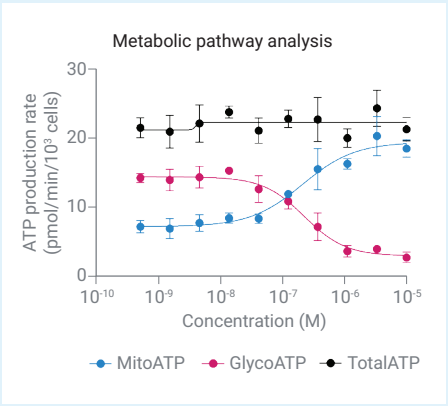
Cell metabolism is critical for the identification of target genes, proteins, and phenotypes, providing new avenues for therapeutic discovery. Metabolic measurements correlate with changes in phenotype and are a rich source for bolstering target discovery programs. Seahorse XF assays, and the XF data generated, inform and deconvolve therapeutic effects on cell function.

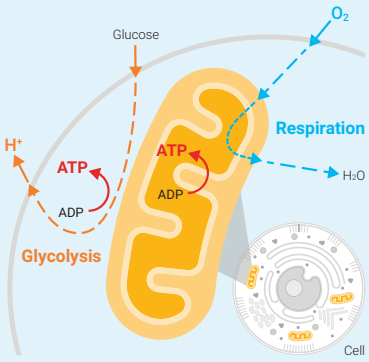
By incorporating live-cell metabolic measurements, early drug discovery scientists are overcoming challenges in therapeutic discovery due to the additional insight provided when assessing cellular function.



Discover how live-cell metabolic measurements provide the additional insight you need to uncover novel targets and offer functional confirmation with increased certainty.

Generate dose curves to identify and confirm changes in cellular metabolism and function





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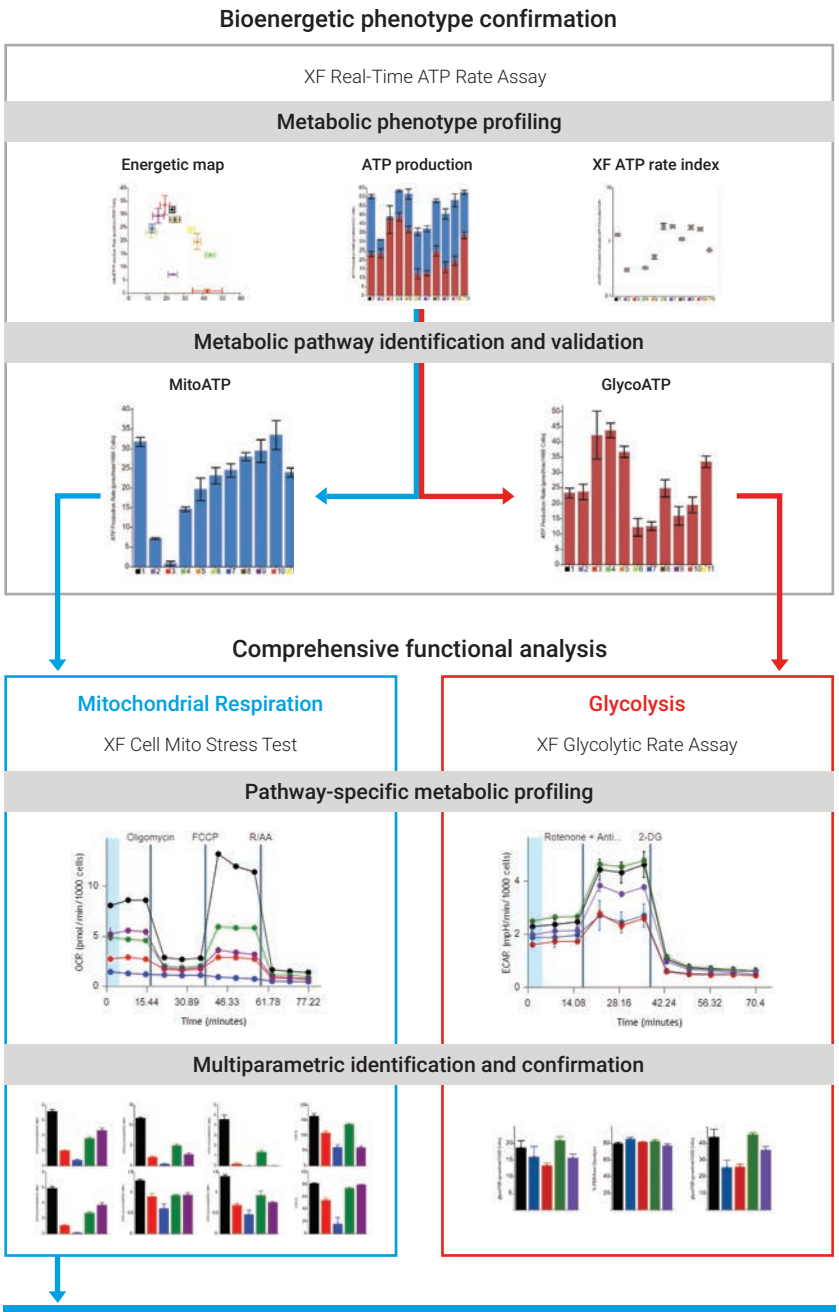
Seahorse XF assay journey



Other XF mitochondrial assay tools

– XF Mito Tox Assay – XF Substrate Oxidation Stress Test – XF Plasma Membrane Permeabilizer

The Agilent Seahorse XF Pro advantage for early drug discovery

- Seahorse XF Pro delivers better precision and repeatability when generating XF data using standardized workflows to identify compound, target, pathway, or disease model therapeutic relevance.
- Gain confidence by confirming cellular function with repeatable and robust results to drive confidence when selecting targets to pursue.
- Easier to set up compound titrations to generate dose response curves for fast determination of IC_{50}/EC_{50} values.
- Confirm genomics and proteomics data where identification of up or down regulation of cellular metabolism pathways or genes can be validated.

Gain deeper insights into the critical functions that drive cellular processes.
www.agilent.com/chem/discoverXF

RA44495.6488773148

Printed in the USA, January 3, 2022
5994-4335EN

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