Preclinical multiomics services

Integrated multiomics. Deeper insights. Smarter decisions.

Gain deeper biological insights to support confident decision-making with our preclinical multiomics services, so that you can confidently select compounds, train AI-models, and rapidly advance your drug discovery program.



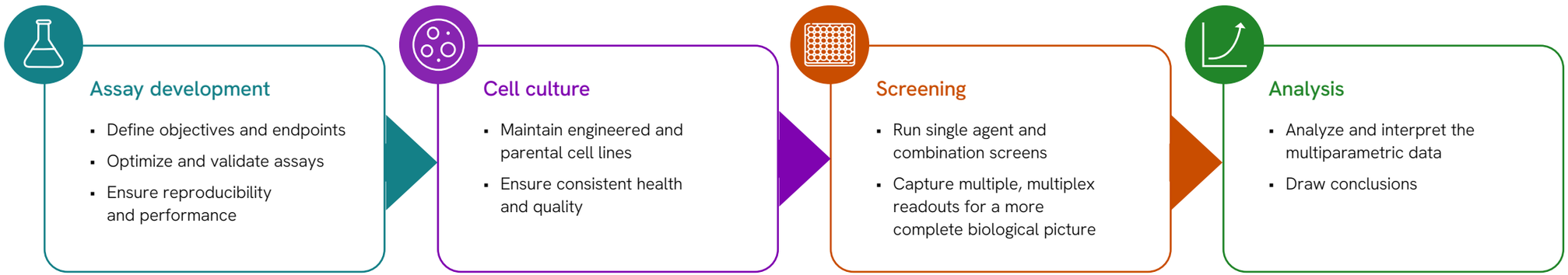
Why choose Revvity's multiomics services?

- Get quality, AI-ready multiomics data that provide a more complete picture of phenotypic and molecular function to support smarter decisions
- A single wet lab partner for generating foundational models
- Combine cell viability, phenomics, genomics, transcriptomics, and proteomics readouts for information-rich datasets to build complex datasets, train machine-learning models, and generate actionable insights
- Access hundreds of cell lines, including primary immune cells
- Use bulk or single-cell technologies to align assay design with your drug discovery needs and budget
- Support from our experienced scientific team with assay design and data interpretation
- Flexibility to accommodate your specific requirements and project timelines

Your partner. Integrated multiomics. Multiparametric data.

From assay development to analysis, our preclinical services team can support your entire multiomics workflow.

A single CRO for your multiomics workflow:



Supporting approaches:

Assay development

Access cell health with technologies like ATPlite 1glow™ assay

Functional assays

Using technologies like AlphaLISA™ and HTRF™ assays

High-content imaging

Using technologies like Opera Phenix OptIQ™ HCS system

Omics

Covering phenomics, genomics, transcriptomics, and proteomics

The advantage of a single CRO:

Reduced variability

Consistent methods, reagents and execution across endpoints to reduce study-to-study variation.

Aligned conditions

Same cells, treatments and experimental conditions across assays.

Preserved biological context

Maintain the connection between cellular responses and molecular changes.

Rich, integrated data

Combine and interpret multi-layered datasets more easily for deeper insights and stronger conclusions.

Greater confidence

Supports more robust MoA insights, deeper characterization, training of foundational models, and more informed decisions.

Viability

Measure cell health, survival, and proliferation with our range of cell-based assays, including ATP-based readouts.

Phenomics

Gain deeper insights into cellular biology and behaviour by analyzing phenotypic changes with our high-content imaging and cell painting capabilities and access technology such as the Opera Phenix OptIQ™ HCS system.

Genomics

Analyze at the DNA level to better understand biological interactions, pathways, gene regulation networks, and the molecular basis of phenotypes with our technology and expertise across CRISPRko, CRISPRi, CRISPRa, base editing, and RNAi screens.

Transcriptomics

Gain a deeper understanding of gene expression with pathway-level and mechanism-of-action insights that complement phenotypic screening, such as MERCURIUS™ DRUG-seq high-throughput transcriptomics.

Proteomics

Get protein-level information for insights into genes expression, regulation, and interaction, bridging the gap between genotype and phenotype. Technologies include HTRF™, AlphaLISA ™, and LegendPlex™.

Get in touch with our team to discuss your project today!

Contact us

Learn more

Scan or click for more information

www.revvity.com

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