

Crown Bioscience

Proteomics Services

Deep Protein Insights to Power Drug Discovery

Crown Bioscience offers a mass spectrometry-based proteomics platform, delivering deep protein insights to accelerate your drug discovery programs. Our services are designed to work seamlessly with our preclinical oncology models or as a standalone solution.

Proteomics Service Capabilities

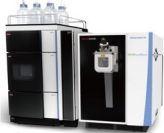


We offer a comprehensive range of proteomics services to support various stages of drug discovery, from target identification to biomarker validation:

Service Type	Key Techniques	Applications
Global Proteomics (Discovery)	DIA, DDA, TMT, label-free quantification, bottom-up, top-down	Biomarker discovery, target identification, pharmacodynamics, patient stratification
Phosphoproteomics and PTM Analysis	Phosphoproteomics, ubiquitination, acetylation	Mechanism of action (MoA) studies, biomarker discovery
Targeted Proteomics	PRM, SRM/MRM, absolute quantification	Biomarker validation, target engagement, pharmacodynamic markers
Customized Proteomics Assays	Chemoproteomics, Immunopeptidomics, fit-for-purpose assay development	Tailored design around your research needs for customized biomarker and mechanistic studies

Our global proteomics services ensure deep coverage, with **10,000+ protein groups**.

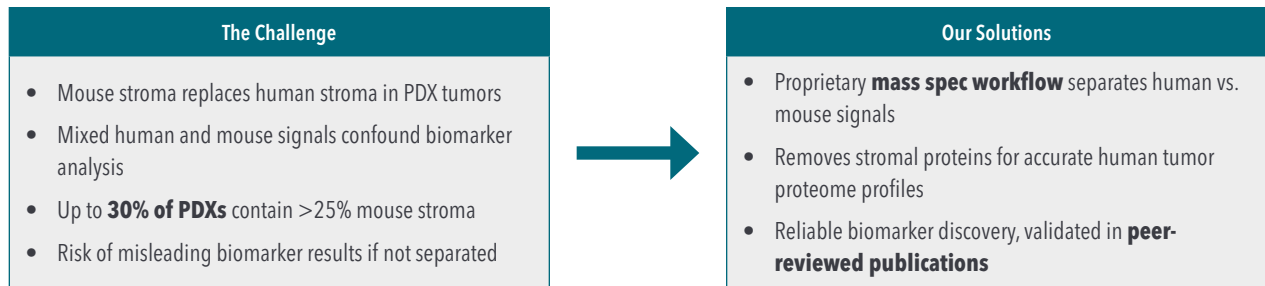
State-of-the-Art Proteomics Facility

Our facility utilizes cutting-edge mass spectrometry (LC-MS/MS) instruments to deliver the highest quality data.

Instrument	Thermo Fisher Orbitrap™ Exploris™ 480  ThermoFisher SCIENTIFIC	Thermo Fisher Orbitrap™ Astral™  ThermoFisher SCIENTIFIC	BRUKER timsTOF™  BRUKER
Key Benefits	<ul style="list-style-type: none">• High-resolution quantification for discovery and targeted proteomics• Flexible workflows (DIA, DDA, TMT, PRM)• Reliable performance for biomarker discovery and targeted validation	<ul style="list-style-type: none">• Next-gen sensitivity and speed• Deeper proteome coverage (10,000+ protein groups)• Lower sample input for precious samples	<ul style="list-style-type: none">• Trapped ion mobility (TIMS) for 4D proteomics• Fast duty cycle for higher throughput• High sensitivity for PTM and low-abundance proteins

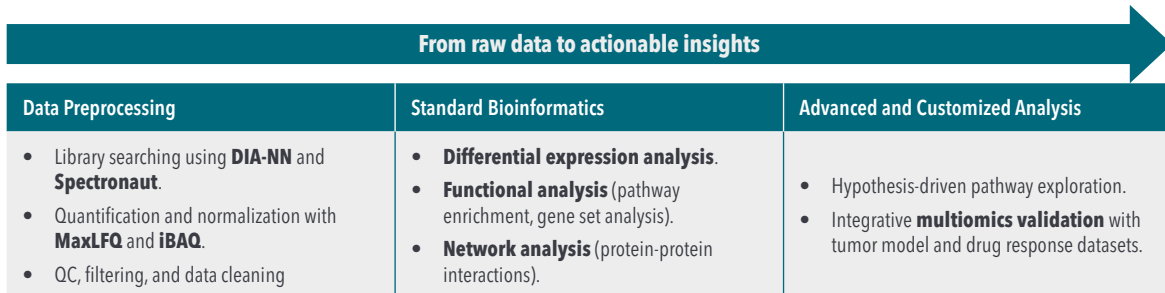


PDX Proteomics Workflow: Optimized for Human Tumor Signal



Comprehensive Data Analysis Pipeline

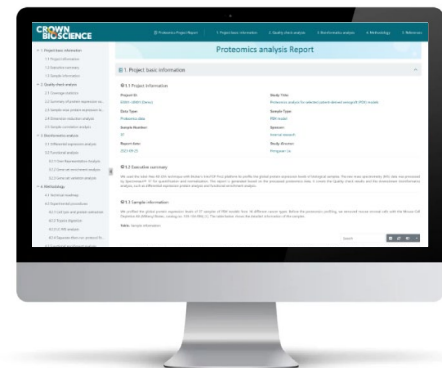
We provide a validated, full-spectrum proteomics analysis, transforming raw data into actionable biological insights.



Standardized Analytical Service

We deliver interactive, web-based reports that are easy to navigate and share. The report includes:

- Project basic information.
- Quality check analysis.
- Bioinformatics analysis (including differential expression and functional enrichment).
- Methodology and References.



Your Partner in Advanced Proteomics Expertise

Deep oncology know-how and peer-reviewed workflows you can trust for translational impact.

- Expert in advanced proteomics workflows – TMT, DDA, DIA, optimized for oncology research.
- Validated by publications.



Get in touch



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