



Capabilities overview

Navigating a robust regulatory environment, advancing your development program withspeed, and accessing a breadth of technical expertise are all critical factors to the success of your program. Aliri provides a range of bioanalytical lab, spatial bioanalysis, and spatial biology solutions.

BIOANALYSIS

We are committed to helping you build, execute, and optimize your drug development strategy, so you can bring life-changing therapies to market with speed. Work with our team of dedicated scientists, program managers, quality specialists, and industry experts to:

- Achieve quality data for filing your IND, NDA, and CTA with speed
- Forecast technical issues or potential roadblocks that may cause delays
- Maximize the growth of your drug discovery and development investments



5M+ SAMPLES ANALYZED



150 BIOLOGICAL FLUIDS & TISSUES



48-HOUR TURNAROUNDS IN DISCOVERY

OFFERING	PLATFORMS	COMPOUNDS	REGULATIONS
<ul style="list-style-type: none"> • Discovery • Method development • Method validation • Sample analysis 	<ul style="list-style-type: none"> • LC-MS/MS • LC-HRMS • LC-Fluorescence detection 	<ul style="list-style-type: none"> • Small molecules • Biomarkers • OGNs therapeutics • Biologics • Endogenous 	<ul style="list-style-type: none"> • GLP • FDA • CDER • CBER • VICH • CVM • EMA • OECD

SPATIAL BIOANALYSIS

Embedding spatial bioanalysis into your discovery and development strategy will help you save money and time in the long run. Our proprietary drug imaging workflows will enable you to study the distribution of drugs and biomarkers simultaneously at the site of action.

Spatial bioanalysis will allow you to:

- Gain access to unique data for strategic decision making and lead optimization
- Understand localization, quantification, and distribution of drugs at the site of action
- Study the whole-body distribution of your drug and related metabolites in animal models without any labeling
- Select the right dose, mode of administration and/or formulation to expose your organ or target of interest
- Identify the molecular component of lesions observed in toxicity studies
- Simultaneously localize and quantify of thousands of markers with your drug in the tissue microenvironment

	Matrix assisted laser desorption ionization technique (MALDI) imaging	Laser ablation inductively coupled plasma (LA-ICP) imaging
OVERVIEW	Detect intact molecules amino acids, metabolites, small drugs, lipids from a tissue section	Detect elements from tissue section
THROUGHPUT	1-10 samples/day	1-10 samples/day
MOLECULE TYPE	Small molecule, small peptides, leptides, small metabolites	Various elements
MASS ACCURACY	<1ppm	Unit mass resolution
SAMPLE PREP	Cryostat, Microtome, Histological AutoStainer	

SPATIAL BIOANALYSIS

Our technology enables you to discover and monitor your biomarker prevalence and organization in the tissue to characterize disease state. Partnering with us in spatial biology will give you access to a range of equipment that will:

- Provide spatially differentiated profiling of tumor driver and immuno-oncology proteins
- Discover biomarkers related to location and signaling of specific cells
- Analyze pathways across tissue structures and complexity
- Provide basis for identifying clinically relevant associations with drugs

	Matrix assisted laser desorption ionization technique (MALDI) imaging	Imaging mass cytometry – Hyperion imaging	Digital Spatial Profiler
THROUGHPUT	1-10 samples/day	1-4 samples/day	40 samples/day
MOLECULE TYPE	Small molecules, lipids, metabolites, peptides, neurotransmitters	Protein	Protein RNA

[Contact us](#) to learn how our team can help develop a bioanalytical strategy.