

*Lumine***XPLORE**Lab

THE **FINAL FRONTIER** IN
ASSAY DEVELOPMENT

Luminex



ASSAY DEVELOPMENT AT THE SPEED OF LIGHT

Well, maybe not that fast...

Still, we understand that in life science and drug discovery, time is the silver bullet. This is why we optimize our assays to accelerate your projects and get you to market faster.

Through our custom services program, we can help you maximize productivity and stay competitive in a crowded market. In that way, LuminexPLORE Lab is truly the final frontier in assay development, offering researchers an out-of-this-world competitive edge for scientific breakthroughs. Our approach leverages industry-leading xMAP® Technology to generate reliable answers quickly, with minimal sample volume needed.

Our Solutions

Our experts can help with almost any multiplexing project. We have years of experience in areas ranging from biomarkers and cancer to immunology and toxicology, and we have backgrounds in academia as well as industry. Here are the services we perform most often:

Assay Development

Custom Bead-Coupling

Multiplex Optimization

Assay Conversion

Antibody Pair Screening

Sample Testing

Add-On Assay Validation Options:

- Precision (Intra and Inter)
- Sensitivity
- Cross-Reactivity
- Reagent Lot-to-Lot Testing
- Reagent Scale-Up

Exploring the xMAP® Universe

Luminex's bead-based xMAP Technology is a time-tested and extensively validated approach to multiplex genomic and proteomic assays. Developed in the 1990s and regularly updated with the latest technical innovations, xMAP Technology has been proven through decades of research and peer-reviewed evidence. For your next assay project, choose a technology that has stood up to years of rigorous testing and continues to deliver reliable results at scale.



Here's a quick look at the xMAP universe:

90,000+

PEER-REVIEWED PUBLICATIONS

20,000+

INSTRUMENTS PLACED

1,300+

RUO KITS DEVELOPED

100+ 510(k)

CLEARANCES ON LUMINEX PLATFORMS

In the LuminexPLORE Lab, we have every xMAP platform (xMAP INTELLIFLEX®, FLEXMAP 3D®, Luminex® 200™, and MAGPIX®) available for testing your assay.

Our Applications

The LuminexPLORE Lab team has broad scientific experience and can support projects for many different assay applications. Some of our areas of work include:

Allergy Testing

Autoimmune

Biomarkers

Cancer

Cardiovascular

Cell Signaling

**Cellular
Metabolism**

Genetics

Immunology

**Infectious
Disease**

Metabolism

Endocrinology

Neuroscience

Proteomic

Serology

Stem Cells

Toxicity

Immunogenicity

Cytokine Profiling

**Off-Target
Analysis**

“We want to empower and equip you with the tools, resources, and knowledge to be successful in your scientific endeavors.”

—LuminexPLORE Lab Team

Our Approach

The LuminexPLORE Lab aims to serve customers wherever they are—whether that's biopharmaceutical companies, startups, academia, or nonprofit institutions. Projects can be simple and quick, like sample testing, or more robust, such as developing an assay and manufacturing coupled bead reagents.

Our team offers a consultative, collaborative approach to custom services projects. We prioritize communicating clearly, meeting deadlines, and presenting results in the format that best suits each client. Here's a quick look at how it plays out.



Make First Contact

Let the LuminexPLORE Lab help accelerate your project. Our experts are happy to speak with you about your goals and will let you know how they can add value. Reach out to your Luminex sales representative or field application scientist, or visit luminexcorp.com/luminexplore

Luminex's mission is to empower labs to obtain reliable, timely, and actionable answers, ultimately advancing health. We serve diverse markets, including life science research, immunology, and drug discovery. Our goal is to transform healthcare by developing innovative instruments and assays that are reliable, operationally efficient, and economically responsible.

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