

CUSTOM

Assay Development and Testing

Detection & Bioanalysis

Multiplex Bead-based Luminex® Assays

Bio-Synthesis, Inc. has been supplying the biomedical research community with immunoassay solutions and immunological reagents such as antibodies and proteins for the study of cellular pathways for more than 25 years. BSI can provide Luminex® development and testing solutions to fit your needs. Our state-of-the-art facilities and extensive experience in a variety of assay systems and platforms ensures reproducibility of our custom Luminex® Assay Development and Testing.

Bio-Synthesis' Benefits:

- ▶ Experienced in assay development
- ▶ Engaged project management
- ▶ Stage development
- ▶ Built to meet your specifications
- ▶ Experienced in reagent development
- ▶ Rapid turnaround

Our Services:

▶ Custom Multiplexing Panels

Select the targets to make up a customized panel. We will couple microspheres with peptides/proteins, antibodies, and test the quality of biological materials for you.

▶ Custom Testing Services

Sample analysis services utilizing our Multiplex Luminex® System.

▶ Custom Assay Development

Bio-Synthesis can guide you through all the steps, starting from project design to testing of biological materials.

Luminex® xMAP® Technology Overview

Open-architecture xMAP® technology, developed by Luminex®, is ideally suited to a wide range of applications throughout the drug-discovery and diagnostics fields, as well as basic research. Highly sensitive and accurate, yet designed for high throughput and increased assay speed, xMAP® technology can help clinicians and researchers alike to save time and costs while boosting productivity.

Luminex® Assay Has Been Used In The Areas Of:

Protein Expression Profiling

- ▶ Cancer and Cardiac Markers
- ▶ Cytokines, Chemokines, and Growth Factors
- ▶ Endocrine
- ▶ Isotyping
- ▶ Matrix Metalloproteinases
- ▶ Neurobiology
- ▶ Transcription Factors/Nuclear Receptors
- ▶ Engaged project management
- ▶ Stage development

Genetic Disease

- ▶ Cystic Fibrosis
- ▶ Cytochrome p450

Genomic Research

- ▶ Gene Expression Profiling
- ▶ Genotyping

Immunodiagnostics

- ▶ Allergy Testing
- ▶ Autoimmune Disease
- ▶ HLA Testing
- ▶ Infectious Disease
- ▶ Vaccine Testing

www.biosyn.com

Service across Genomics, Proteomics, and Cell Biology



BIO SYNTHESIS
COMMITTED TO BIOMIC RESEARCH

Toll Free: 800.227.0627 | 972.420.8505

Mail: info@biosyn.com

612 E. Main Street, Lewisville, TX 75057 USA