

Bio-Plex Multiplex Immunoassay System



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Unlock the potential of **multiplex immunoassays**. Perform **simultaneous detection** and **quantification** of **multiple analytes** in a **single well or reaction**.

A wide range of applications include:



Biomarker Discovery and Validation

- Identify and validate biomarkers for diseases such as cancer, cardiovascular and infectious diseases.
- Assess the efficacy and toxicity of drug candidates by measuring multiple biomarkers.



Immunology and Inflammation Research

- Analyse cytokine and chemokine profiles to understand immune responses.
- Study the mechanisms of inflammation and the effects of therapeutic interventions.



Cell Signalling Pathway Analysis

- Investigate signal transduction pathways by quantifying phosphorylated proteins.
- Understand cellular responses to various stimuli and treatments.



Clinical Research and Diagnostics

- Develop diagnostic assays for various diseases by measuring disease-specific biomarkers.
- Monitor disease progression and treatment efficacy in clinical studies.



Vaccine Development and Evaluation

- Assess immune responses to vaccines by measuring antibody titers and cytokine production.
- Compare the immunogenicity of different vaccine candidates.



Autoimmune and Infectious Disease Studies

- Analyse autoantibodies and pathogen-specific antibodies in autoimmune and infectious diseases.
- Study host-pathogen interactions and immune responses to infections.



Nutritional and Metabolic Research

- Investigate the effects of nutrients and metabolic conditions on various biomarkers.
- Study the mechanisms underlying metabolic disorders such as diabetes and obesity.



Pharmacokinetics and Toxicology

- Monitor drug levels and their effects on multiple biomarkers in pharmacokinetic studies.
- Assess the toxicological effects of compounds by analysing biomarkers related to toxicity.

Contact your **Lasec® Sales Representative** today.

Ts & Cs apply

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