Immunoassay Services
Testing capabilities for single analyte ELISA and multiplex assays for high sensitivity protein quantitation in multiple specimen types. Immunoassays enable the sensitive and specific measurement of analytes in complex biological matrices and thus play a central role in drug discovery and development.

**Service Menu**

- **Cytokine testing**: Use of validated analytes and multiplexed panels
- **Flow cytometry**: Receptor Occupancy, surface and intra-markers, in vitro re-stimulation
- **Molecular testing**: NGS, qPCR, RT-PCR, Nanostring
- **Multiplexed immuno-fluorescence**: MultiOmyx™ and Vectra® Polaris™
- **Neoantigen discovery**: Anatomic pathology, FISH, Cytogenetics
**Immunoassay development by ELISA and Luminex platforms**

**Benefits of NeoGenomics Immunoassays Service**

NeoGenomics has the ability to develop, transfer, optimize and fully validate custom assays aligned with each study requirement. Our dedicated teams will support your therapeutic programs through a consultative approach aligned with your needs in the area of biomarker discovery, assay development and multi-site global clinical trials delivering a pragmatic solution for immunogenicity, efficacy and exploratory endpoints for immunomodulatory clinical trials.

**Specimen Types**

Currently we offer multiple validated specimen types across serum and plasma. We can also validate additional sample types such as urine, CSF and cell lysates.
Multiple Applications

- Cytokine testing such as growth factors from serum, plasma, cell culture supernatant
- Cellular immunoassays
- Surrogate markers
- Quantitative measures of biological effects
- Supporting Immuno-oncology, infectious diseases, vaccines, autoimmunity and inflammation
- Technology or assay transfers from partners
- Custom assay development and validation

A multitude of disease areas and indications

- Immunotherapy/Immuno-oncology
- Inflammatory diseases such as UC, Crohn’s, RA
- Infectious diseases such as HIV, Dengue and Ebola
- Cardiovascular disease
- Neuroscience, toxicology
- Many other disease areas
Quality and Validation

NeoGenomics operates a network of CAP-accredited and CLIA-certified laboratory operations. We deliver our ImmunoAssays service through multiple sites to ensure client convenience and harmonization across the sites. NeoGenomics conducts all appropriately-transferred duties from sponsor trials in compliance with ICH E6(R1)/(R2) (GCP) guidelines and other Regulatory standards relevant to a particular clinical trial. As part of its broader compliance activities, NeoGenomics operates under the requirements of its Quality Management System (QMS), and conducts periodic, in-house training of relevant staff on HIPAA, Good Documentation Practice (GDP), the European General Data Protection Regulation (GDPR) and other regulations/best practices, as needed.

Validation data

**Th1/Th2 Cytokine 11-Plex Human ProcartaPlex™ Panel - Standard Curves**

*The inter-assay variability was an average of <10% CV for all analytes*

**Th1/Th2 Cytokine 11-Plex Human ProcartaPlex™ Panel - Repeatability (%CV)**
Our key validation parameters include:

- Accuracy (spike recovery)
- Precision
- LLOQ (lower limit of quantitation)
- ULOQ (upper limit of quantitation)
- Reference range
- Linearity of dilution
- Stability

Global capabilities with global reach
About NeoGenomics Pharma Services

NeoGenomics’ Pharma Services unifies several innovative companies’ scientific and medical leadership under one leading brand, offering one of the most comprehensive laboratory services menu available for biomarker testing supporting oncology clinical trials globally. We provide our clients with an unparalleled level of expertise, service, flexibility, and scalability. Additionally, we offer alternative business models and solutions across the continuum of development from pre-clinical research and development through commercialization.

To learn more about NeoGenomics Pharma Service, visit online at https://neogenomics.com/pharma-services.

NeoGenomics Pharma Service can be your right research partner with NGS or other innovative services.

Please contact NeoGenomics Pharma Service at 800.720.4363 or email at pharmaservices@neogenomics.com.