



Immunoassay Development for Preclinical and Clinical Applications

Custom ELISAs with sensitivity and precision for protein therapeutics

Frontage offers a wide range of ELISA assay formats for proteins and therapeutic antibodies to support pharmacokinetics/toxicokinetics (PK/TK), pharmacodynamics (PD) and biomarkers analysis. Our experienced team of scientists routinely develop and validate ELISAs to quantify protein and biomarker levels for preclinical and clinical applications.

ELISA CAPABILITIES

- Fully customizable ELISA qualification and validation
- High throughput analysis in 384-well format (96-well format also available)
 - Minimizing reagent and sample requirement
 - Excellent quality and performance
- ELISA is optimized for:
 - Sensitivity and precision
 - Upper and lower limits of detection
 - Matrix and dilution effects
 - Considerations for free/bound forms
 - Liquid handling and automation
- Capability to screen >100 plates per day
- Multiple detection formats:
 - So Absorbance (e.g. OD450)
 - Chemiluminescence
 - MSD

ELISA Formats



AUTOMATION EQUIPMENT FOR ELISA SCREENING

- Agilent Bravo: for compound dilution and stamping
- Biotek ELx405 HT with stacker
- Thermo Multidrop Combi & WellMate
- Envision multilabel plate readers, SpectraMax readers

SUPPORT SERVICES

- Extensive bioanalysis capability for analyzing in multiple matrices such as serum, plasma and tissues
- PK analysis of large molecules with WinNonlin modeling

Frontage provides ELISA assay support for various protein & antibody programs with successful IND and BLA filings. We offer sponsors comprehensive immunoassay solutions that ensure rapid turnaround times, extensive quality control, and real-time communication.

Frontage Laboratories, Inc. is a contract research organization (CRO) that provides integrated, science-driven, product development services throughout the drug discovery and development process to enable pharmaceutical and biotechnology companies to achieve their development goals. Comprehensive services include drug metabolism and pharmacokinetics, analytical testing and formulation development, preclinical and clinical trial material manufacturing, bioanalysis, preclinical safety and toxicology assessment and early phase clinical studies. Frontage has enabled many biotechnology companies and leading pharmaceutical companies of varying sizes to advance a myriad of molecules through development and file regulatory submissions in the United States, China, and other countries.

FOR MORE INFORMATION, CONTACT US AT: sales@frontagelab.com OR VISIT US AT: frontagelab.com