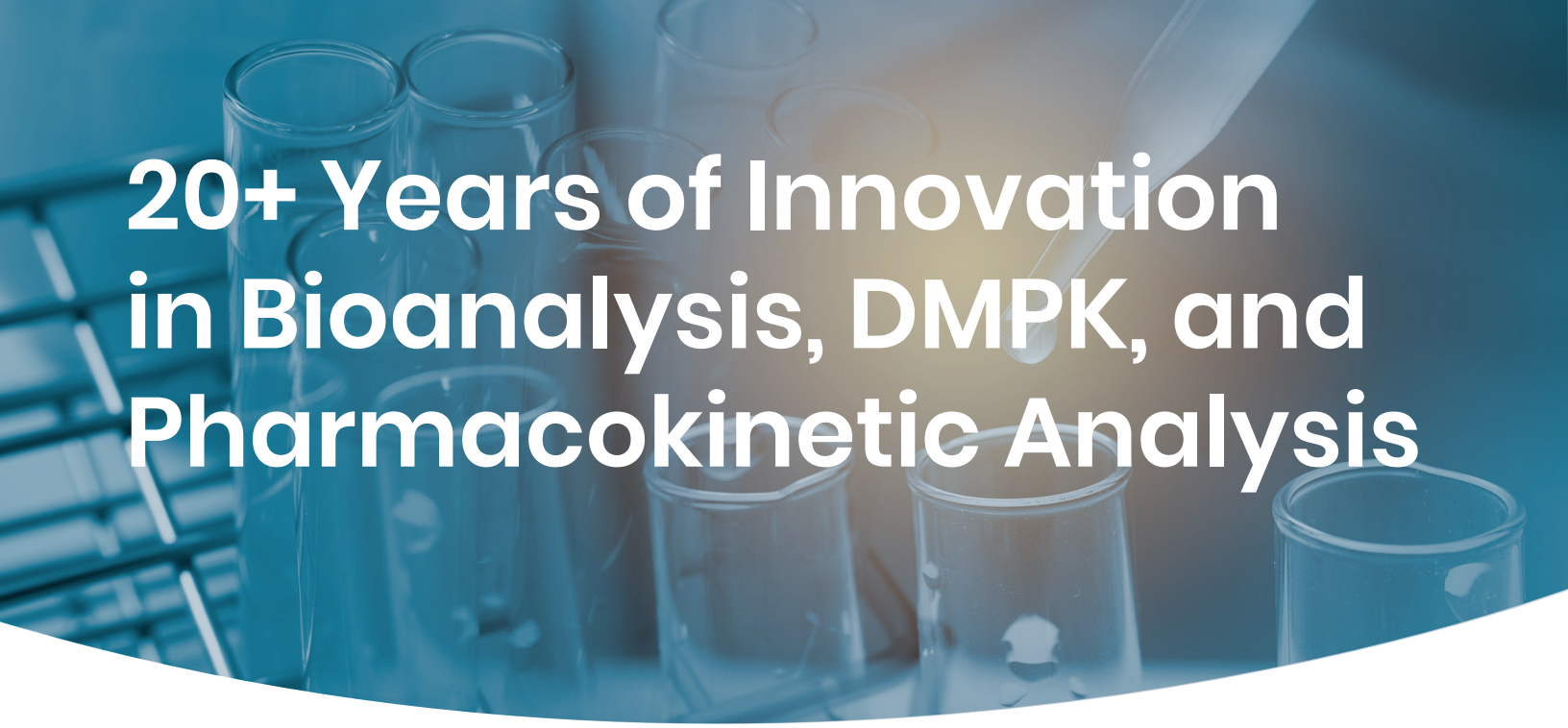

20+ Years of Innovation in Bioanalysis, DMPK, and Pharmacokinetic Analysis

Bioanalytical Services for Drug Development

MicroConstants is one of the largest bioanalytical LC/MS/MS service providers on the West Coast, with headquarters in San Diego, California for over 20 years. As a GLP-compliant contract research organization (CRO), our comprehensive bioanalytical services support discovery, preclinical, and clinical drug development studies. We specialize in method development, validation, and sample analysis, using state-of-the-art research techniques. Our contract research services advance the drug discovery and development programs of pharmaceutical and biotech companies worldwide.

Small Molecule Bioanalysis

Specializing in developing and validating robust bioanalytical methods for PK/TK sample analysis of small molecules, proteins, peptides, and metabolites using regulated and non-regulated LC/MS/MS, HPLC/UV, and HPLC/Fluorescence.

Large Molecule Bioanalysis

We perform immunological ligand-binding assays (LBA) and enzymatic assays to support sample analysis for large molecule drugs (e.g., biologics), anti-drug antibodies (ADA), and biomarkers (e.g., cytokines) in regulated and non-regulated drug development studies.

Specimen Collection Kits

Assembly and distribution of protocol-specific specimen collection kits to streamline the PK collection process for single and multi-site clinical trials. Kits are tailored to your specific sampling needs.

MicroConstants

REGULATED BIOANALYSIS & DMPK

DMPK Assays

Industry-standard drug metabolism assays, custom research, and IND-enabling studies to assess drug-drug interaction potential, metabolic stability, metabolite profiling, and protein binding.

Method Development and Validation

Method Development, GLP method validations, and method transfers for small and large molecule drugs, protein and other types of biomarkers, and peptides using LC/MS/MS, HPLC/UV, HPLC/fluorescence, immunological ligand-bindings assays, as well as enzymatic activity methods.

Pharmacokinetic Analysis and Reports

Pharmacokinetic (PK) and toxicokinetic (TK) data analysis for discovery, preclinical, and clinical studies. We perform model dependent or model independent analyses to calculate bioequivalence, drug exposure, and drug data recovery.

Protein Binding Assays

Determine the extent of drug binding to plasma and/or tissue proteins during the drug development process. We measure drug-protein binding characteristics to develop a specific and sensitive quantitative method.

Dose Formulation Analysis

High quality analysis of preclinical dose formulations for GLP and non-GLP toxicology studies. We conduct formulation sample analysis to assess stability, homogeneity, and to discover solubility issues.

Biomarker Assays

Biomarker assay development, validation, and profiling of biomarker panels, using LC/MS/MS, single or multiplex ligand-binding assays (MSD, ELISA, fluorescence), and enzyme activity techniques.

MicroConstants by the Numbers

100% program approval rate by USFDA

0 regulatory complaints over 4 FDA audits	**6,300+** regulated studies supported	**20+** years experience
50% of company resources dedicated to lab	**2,400+** methods developed	**1,500+** validated assays

Contact Us

Learn more about how we can help you advance your drug development program.

9050 Camino Santa Fe, San Diego, CA 92121 +1 (858) 652-4600

info@microconstants.com www.MicroConstants.com