# BIOANALYTICS SUPPORT

ABS
AN ACM GLOBAL LABORATORY

**ABS Laboratories, now part of ACM Global Laboratories, can help optimize your drug development program and ensure that you have the technical insight needed to successfully complete your bioanalytical studies. Our chemists have the expertise and flexibility to assist you with complex assay method development and validation for the quantification of drugs, metabolites, and biomarkers in biological samples.**

## Determine Efficacy and Safety with Pharmacodynamic (PD) Analysis

PD biomarker data is frequently used to determine the efficacy and safety of investigational and therapeutic agents in a specific patient subset during clinical trials. Using liquid chromatography with tandem mass spectrometry (LC-MS/MS), our analytical scientists have developed highly sensitive assays for measuring the up/down-regulation of endogenous biomarkers in plasma and other biological matrices. For detecting endogenous biomarkers at low levels in biological fluids, LC-MS/MS provides superior selectivity and accuracy.

## Curb Addiction Thanks to Nicotine Research

We provide support to researchers and organizations at the forefront of nicotine research. We specialize in the quantification of nicotine, cotinine and related compounds such as anabasine in plasma, serum, saliva, and urine, and have supported numerous Phase 1 studies of new nicotine replacement products such as gums, sprays, and snus (buccal, or absorption through the cheek) formulations.

## Investigate the Many Therapeutic Benefits of Cannabinoids

Cannabinoids have vast therapeutic potential, and our skilled experts have experience working with a variety of different matrices and species to support the research of CBD, THC and its metabolite, 11-hydroxy THC. If you require specialized testing, we will partner with you to develop bespoke assays for other cannabinoids and their metabolites.

## Increase the Impact of Novel Drug Delivery Systems

Improvements in drug delivery and drug targeting methods have the potential to enhance the efficacy of a drug by decreasing degradation and loss. These novel systems may also minimize the impact of side-effects and increase the concentration of a drug at its intended site of action. Our chemists have participated in a number of studies designed to explore the utility of slow and quick drug delivery systems using many types of pharmaceutical delivery systems including vesicles, micelles, buccal, patches, electric vaporizers and other inhalation devices.

## Get to the Bottom of Controlled Substances

**Our laboratory has built a strong reputation for our work relevant to the bioanalysis and accurate quantification of controlled substances. Capabilities include:**

- **PK analysis of plasma samples**
- **Supporting research to investigate the efficacy of ketamine administration to individuals with alcoholism**
- **Bioanalysis of cannabis-derived medicines**
- **Developing and applying bioanalytical methods to assay numerous different compounds**

Your project is our top priority, therefore exceptional service is at the core of everything we do. We believe this philosophy is the differentiating factor that allows us to be a trusted and valuable partner to our clients.

To learn how we can meet your testing needs, please contact us at **acmgloballab.com/ABS**.

## Your Partner in Bioanalysis to Support Pharmacokinetic (PK) Analysis

**Our analytical chemists are experts in liquid chromatography with tandem mass spectrometry (LC-MS/MS) techniques and specialize in complex PK assay method development and protocols to facilitate drug development and clinical trials programs. Services include:**

- Assay Development
- Discovery Bioanalytics
- FIH Studies with Quick Turnaround Times
- Old Drugs in New Formulations
- Epidemiological Health Surveys
- Analytical Method Transfer & Development
- Preclinical R&D and Clinical Research
- Final MAA & NDA Submissions
- Therapeutic Drug Monitoring
- Reporting, Trend Analysis, Consultative Services