

PARTNERSHIP

It's what turns services into solutions.



DMPK

INSIGHT. *It's how your candidates become real contenders.*

DMPK studies can provide critical data during discovery and development of pharmaceutical and agrochemical products.

PROVIDING
SCIENTIFIC INPUT
TO INFLUENCE
SELECTION OF
LEAD DRUG
CANDIDATES

Frontage's DMPK services, performed in accredited facilities, can help support lead drug candidate or chemical

selection, or help you meet specific regulatory requirements.

For pharmaceuticals, we offer extensive drug metabolism and pharmacokinetic capabilities for new chemical entities and compounds in development. For agrochemicals, DMPK services include comprehensive residual analyses, syntheses of metabolite standards and GLP mass balance studies with radiolabeled compounds.

At Frontage, our scientific staff applies proven techniques and best-in-class approaches to generate data for critical milestones and decision making during drug discovery and development. Knowledge gained from the range of studies conducted yearly gives us the broad and in-depth expertise to advise clients on appropriate study design, conduct and regulatory pathways.

DRUG DISCOVERY & DEVELOPMENT

- In vitro ADME studies
- In vivo ADME studies
- Non-GLP bioanalytical studies
- Pharmacokinetic studies
- Radiolabeled studies
- Metabolites in safety testing (MIST) for clinical compounds

AGROCHEMICAL SERVICES

- Animal, plant and soil metabolism
- In vitro/In vivo studies
- GLP mass balance studies
- Bioanalytical studies
- Chemistry support
- Syntheses of metabolite standards
- Physical/chemical profiling
- Product certification
- Formulation stability

AUTOMATION FOR INCREASED PRECISION AND EFFICIENCY

Frontage offers advanced automation instrumentation for in vivo ADME, in vitro ADME

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and bioanalytical studies. Our current liquid handling platforms include Tecan and Tomtec.

Automation for routine in vitro ADME studies includes CYP inhibition, metabolic stability and protein binding studies. Automation for in vivo PK studies minimizes animal usage/handling and accelerates study timelines while maintaining high-quality data.

QUALITY ASSURED

Frontage offers a multi-layered approach to quality assurance. We maintain strict control of our lab environment, beginning with the use of stringent standard operating procedures (SOPs) and Watson LIMS for sample inventory management. Temperature controls and ultra-low temperature freezers help preserve data quality and specimen integrity.

All studies are conducted in accordance with Frontage's SOPs, FDA and EPA GLP, IACUC protocols, Nuclear Regulatory Commission and the Pennsylvania Bureau of Radiation Protection Regulations for radioactive materials.

FRONTAGE'S COMMITMENT

High-quality DMPK studies can assure strong lead candidate selections and successful regulatory submissions for pharmaceutical and agrochemical products. Rely on Frontage as your development partner. We are committed to helping you achieve your objectives.



Frontage is a full service CRO which closely collaborates with pharmaceutical and biotech companies to help them bring promising drug candidates to market.

We offer solutions to help our clients in analytical testing, product development, DMPK, bioanalysis, clinical, and biometrics. What sets us apart is our ability to collaborate closely with our clients to ensure a deep understanding of their drug development goals and our ability provide flexible solutions that are customized to each client's needs.

At Frontage, we are committed to providing rigorous scientific expertise to ensure the highest quality and compliance on each project. Frontage proudly serves innovator, generic and consumer health companies from IND enabling through late stage clinical projects. Frontage successfully assists clients to advance hundreds of molecules through development to commercial launch in global markets. This partnership with our clients is how we turn services into real solutions that get our clients ahead.

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

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