

# Rapid & Customized Solutions for your **DMPK** needs

Sai Life Sciences has been a trusted partner for pharma companies, biotechs, start-ups and universities, helping them navigate the regulatory and scientific complexities within the drug discovery and development continuum. We employ optimized and tailored solutions that accelerate the drug discovery process, consistently delivering excellence and influencing outcomes.

Since 2008, we have been a committed partner for delivering high quality *in vivo* and *in vitro* services to many innovator clients. Our rapid response and flexibility to customize studies makes us the preferred partner for *In vivo* models mimicking drug metabolism and pharmacokinetics.

## Highlights

- 12+ years of experience in delivering high-quality
- DMPK Services
- > 5000 ADME studies each year
- > 1500 PK studies each year
- 20,000 square feet dedicated DMPK facility including Vivarium
- 50-member scientific team
- Co-located with Medicinal chemistry, Biology and Toxicology

## Capabilities

- *In vitro* ADME
- *In vivo* evaluation in rodents and dogs
- Bioanalysis and biotransformation/ Metabolite identification
- System and tissue-specific PK studies
- Mass balance
- TDI
- CYP induction
- Solubility, (Kinetic & Thermodynamic) Permeability, Formulation Assessment
- Permeability (Kinetic & Thermodynamic)
- Formulation Assessment
- System and tissue-specific PK studies
- Neuro PK, Ocular PK, Lung PK,
- Tissue-specific, Excretion via biliary or renal routes in rat distribution (rodents)

## Our Promise

- Prompt service
  - ADME Tier 1 screening results in 2-3 days
  - PK results within 5 days after compound receipt
- Customizable study designs
- Dedicated DMPK lead
- Swift and accurate scientific inputs
- Professional and customized reports
- Competitive pricing

## Infrastructure

- Best-in-class infrastructure
- Vetequip Anesthesia Chamber
- Necropsy table with biosafety cabinet
- Polytron PT 3100 - High end Benchtop
- Homogenizer
- Metabolic Cages
- Individual Ventilated Cage (IVC)
- QIAGEN Tissue Lyser II (High throughput)
- UPLC-H Class
- LC-MS/MS
- Freezers, -80°C
- Micro-Balance
- Zymark Turbovap
- Solid Phase Extraction

## Vivarium

- 15,000 square feet state-of-the art vivarium
- AAALAC and OLAW accredited animal care program, registered with CPCSEA for breeding
- Adherence to national and international standards with experienced veterinary staff
- Separate rooms for quarantine, housing, surgery, experimentation and necropsy
- Automated data logging system for monitoring environmental conditions and light cycle
- Conventional as well as individually ventilated cage (IVC) housing for immuno-compromised studies
- Dedicated scientific/technical staff for key areas