

***In vivo* PK / Bioanalysis**

Pharmaron offers comprehensive *in vivo* pharmacokinetics (PK), toxicokinetics, GLP bioanalytical, discovery bioanalytical, and formulation services to our partners. All in-life work of PK/TK studies are conducted in AAALAC-approved animal facilities and follow IACUC-approved study protocols. We offer high quality (FDA / OECD / EPA accepted), fast turnaround GLP and non-GLP bioanalytical services to support drug discovery, preclinical and clinical development for small molecules, peptides, nucleosides / nucleotides and biologics. Our formulation services are offered either as part of the PK study or as a stand-alone service.

***In vivo* PK / Bioanalysis Capability**

- Fast turnaround (5-working day)
- AAALAC fully-accredited animal facilities
- Monkey, dog, mini-pig, rat, mouse, rabbit
- State-of-the-art instrumentation and validated Watson LIMS 7.4
- Dedicated bioanalysis and QC staff

PK for Biologics

- Targeted molecules
 - Monoclonal antibodies
 - Cytokines
 - Growth factors
 - Receptors
 - Enzymes
 - Fusion proteins

***In vivo* PK / Bioanalysis Services**

- Method development and validation in different matrices
- Sample analysis using LC/MS/MS and ligand binding, cell-based, and FACS assays
- GLP/non-GLP preclinical and clinical PK/TK
- Clinical sample analysis
- Immunogenicity and immunotox assessment
- PK parameters determination and modeling using WinNonLin software
- Bioequivalence
- Custom PK study designs
- BBB permeability
- Brain perfusion
- Dose escalation (dose linearity and range finding)
- Tissue distribution (brain, liver, heart, lung, CSF, urine, feces)
- Metabolite profiling and structure elucidation
- I.V., P.O., S.C., I.P., I.M, and ocular dosing
- Portal vein and bile duct cannulation
- Biliary vs. urinary excretion
- Dose formulation preparation, dose concentration, homogeneity and stability determination

Contact Us

For more information on how Pharmaron can assist with your drug discovery & development programs in a cost-effective and quality manner, please contact us.