

# Pharmacokinetic Services

Pharmaron offers comprehensive study support from formulation to PK parameter determination with a rapid turnaround to support drug discovery and development. With over 20 years of expertise, our proficient teams in China, the UK, and the US specialize in delivering top-tier DMPK services.

- **Type of dose routes:** IV (bolus and infusion), PO, SC, IM, IP, ophthalmic, dermal, intranasal, sublingual, buccal, intratracheal; Specialty: GI (ID, IJ, IC), intrathecal, jugular and portal vein
- **Sampling:** Jugular, tail, saphenous, cephalic and portal vein, micro-sampling, retro-orbital, carotid artery, bile duct cannula, ureteral catheters, lymph cannula (other suitable veins), medulla cavity cannulation, urine/feces, VAB (vascular access ports/buttons), and more
- **Species:** Mice, rats, hamsters, guinea pigs, rabbits, pigs, minipigs, dogs, non-human primates. Further animal species are available for non-routine PK studies.
- **Setup options:** Snapshot PK, rapid PK, cassette PK (3-6 test articles per route), full PK
- **Test articles:** Small and large molecules, biologics, cell & gene therapy

## Rapid Execution

- Lead times from order to study initiation: less than 5 days for most species
- Turnaround times from study initiation to reporting: 5 days for routine PK study
- In-house colonies of dogs and non-human primates for accelerated study start
- In-house bioanalytical capabilities offering plasma sample turnaround times of 72 hours

## In-House Bioanalytical Capabilities

- Matrices: plasma, tissue, urine, feces, bile, lymph, CSF, specialty sampling
- Sample analysis and reporting: measured concentrations and calculated PK parameters
- Readouts: PK, TK, biomarkers; metabolites
- Capabilities: LC-MS/MS, HRMS, ICP-MS, AMS, UPLC, HPLC/UV, Rapidfire, q/d/ddPCR, ligand-binding assays, ELISPOT, flow cytometry, fluorescence imaging, ELISA/HELISA, histology, multiplex immunoassays, cytotoxicity

## Benefits

- Dedicated team
  - Study directors
  - Board certified veterinarians
  - Highly trained research associates
- State-of-the-art-facilities
- Watson-LIMS data management
- Successful FDA/NMPA/MHRA inspections
- AAALAC accredited, USDA licensed
- Quality standards (GLP/ISO) and SOPs
- In-house QA with regulatory experience
- Comprehensive DMPK and safety assessment capabilities
- OLAW assurance