



We help advance your R&D programs through  
rational, decision-based, focused projects.

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# Nonclinical nonGLP PK & GLP TK

## Nonclinical Pharmacokinetics & Toxicokinetics

**In-house Dosing Capabilities:** IV, PO, IP, SC, Intraplantar, IM, Intranasal capabilities and additional cannulated routes

**In-house Formulation:** Solution and suspension formulation development and stability analysis.

**In-house Rodent Vivarium:** Capable of housing rodents (mice and rats) for single dose and repeat dose studies.

**Drug Metabolism and Excretion Studies:** Drug metabolism cages available for collection of excreta.

**Collaborate with Client in Design of Studies:** Cassette dosing, Drug-drug interaction, etc.

*Collaborations with third party vendors for large animal dosing and sample collection.*

**Sample collection:** Microsample collection in rodents for full PK profiles; tissue sample collection for understanding of organ specific uptake (i.e. brain, etc.)

**Noncompartmental Analysis:** Analysis of analytes by industry accepted noncompartmental methods following internal SOPs.

**Compartmental Analysis:** Evaluation of compartmental models to describe the concentration data for future dose modeling and simulation.

### GLP TOXICOKINETICS

**Protocol Development:** Experience working with toxicologists and bio-analysts to design toxicokinetic analyses to support IND and NDA submissions.

**Quality Assured Analyses and Reports:** Xyzagen follows internal SOPs to ensure analysis and reports are consistent and meet current regulations and guidance.

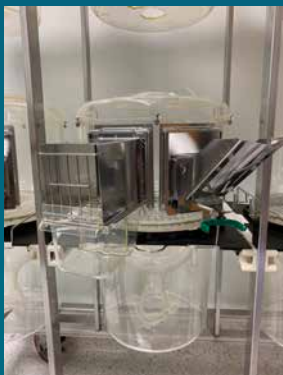
**PP SEND Domain Generation:** Software and processes to generate PP SEND Domains and submit to client's toxicology lab for incorporation into the final report. Validation of SEND file supported by Pinnacle21 software.

### Pharmacokinetics

- Validated Phoenix Platform
- Experience in tissue and fluid analysis
- Compartmental Modeling
- Simulation
- Allometric Scaling
- Noncompartmental Sparse
- Full Profile

### Toxicokinetics

- GLP compliance
- SOPs
- QC/QA Compliance
- PP Domain SEND



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## LET'S WORK TOGETHER

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PHARMACOLOGY



STRATEGIC CONSULTING  
& SCIENTIFIC WRITING



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NONCLINICAL  
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