



Rodent Toxicology

Moving client compounds swiftly into human studies and onto the market

Ricerca Biosciences Drug Safety Assessment offers a comprehensive panel of safety evaluations and general toxicology services, coupled with extensive experience to support drug development. Our quality of execution and commitment to on-time delivery enables us to deliver superior value to pharmaceutical and biotechnology companies.

Rodent toxicology services

General toxicology

- Acute to chronic toxicology studies
- 2 year carcinogenicity studies
(alternate option – transgenic mouse)

Routes of administration

- Oral gavage
- Dietary admixture
- Intravenous
 - Bolus injection
 - Infusion
- Subcutaneous injection
- Intramuscular injection
- Intraperitoneal injection
- Dermal application

ADME

- Pharmacokinetic studies
- Excretion mass balance
- Tissue distribution

Safety pharmacology services

- Core services
 - Respiratory function
 - CNS
 - Motor activity
 - FOB
- Supplemental studies
 - Gastrointestinal tract
 - Renal function

Support services

- Ophthalmoscopy
- Histology
 - All standard methods, paraffin and resin blocks, specific staining at request
- Formulation analysis
 - HPLC methods
 - LC/MS methods
- Bioanalytical analysis
- Custom radiochemical synthesis
- Toxicokinetic/pharmacokinetic modeling

Ricerca Biosciences employees have one goal in mind – to meet your next milestone on time with quality.

Ricerca Biosciences advantage

- Comprehensive toxicology services
- International recognition by AAALAC for commitment to animal welfare
- Specialized regulatory and scientific expertise
- Speed and flexibility
- Access to historical data

Core rodent services

- General toxicology
- *In vivo* safety pharmacology
- ADME services

Core services

- Regulatory/general toxicity
- Carcinogenicity studies
- Local tolerance
- Safety pharmacology
 - CNS, respiratory
- Supplemental safety pharmacology studies
- Histology and pathology
- GLP characterization of test and control articles