



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 preclinical drug development through NDA filing. 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
- Parenteral (iv, sc, im, infusion)
- Dermal

Juvenile toxicity

ADME

- Excretion mass balance
- Tissue distribution

Support services

- Histology
 - All standard methods, paraffin and resin blocks, specific staining at request
- Formulation analysis
 - HPLC transfer and validation methods, LC/MS methods
- Analytical chemistry for dose analysis
- Custom radiochemical synthesis
- Toxicokinetic/pharmacokinetic modeling

Safety pharmacology services

- Core services
 - Respiratory function
 - CNS
 - Motor activity
 - FOB
- Supplemental studies
 - Gastrointestinal tract
 - Specialty assessments
 - Renal function
 - Customized safety pharmacology models upon request

Immunotoxicology

- Immunosuppression/immunostimulation
 - Histology of lymphoid organs
 - Flow cytometry
 - T, B & NK cell counts
- Other
 - Bone marrow analysis

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 battery
- Immunotoxicology
- Cellular toxicology
- *In vivo* safety pharmacology

Core services

- Regulatory/general toxicity
- Carcinogenicity studies
- Immunotoxicity
- Local tolerance
- Safety pharmacology core battery: cardiovascular, CNS, respiratory
- Supplemental safety pharmacology studies
- *In vitro* toxicology
- Histology and pathology
- GLP characterization of test and control articles