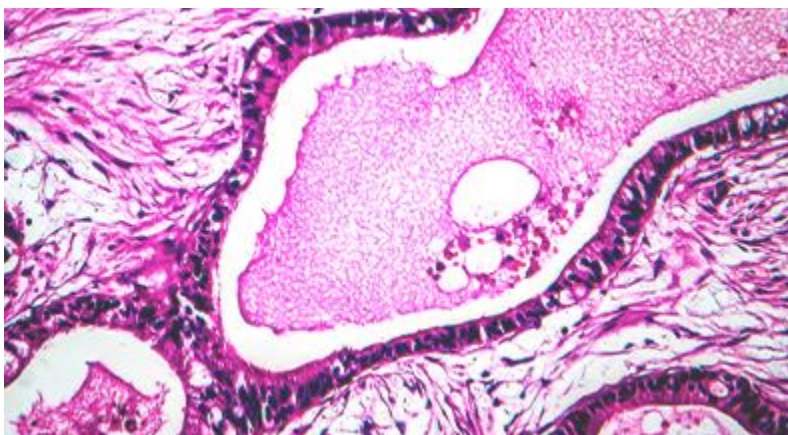


Non-Clinical Services: Safety Evaluation

We provide a comprehensive portfolio of non-clinical safety evaluation studies, offering **10 full GLP-compliant toxicology services** adaptable to a wide range of species and routes of administration. Our programs cover systemic and local toxicity, safety pharmacology, genotoxicity, and other regulatory-required assessments to support drug development from discovery through IND submission.

Animal welfare is at the core of our practice: all studies are conducted in strict compliance with **international animal welfare regulations** (OECD, FDA, AAALAC, and relevant national standards), ensuring ethical treatment and scientifically reliable results. This commitment guarantees not only regulatory acceptance but also high-quality, reproducible data for our clients worldwide.



Single dose toxicity studies

- Mice, rats, rabbits, dogs, monkeys, mini pigs and other animal models



Repeated dose toxicity studies

- Mice, rats, rabbits, dogs, monkeys, mini pigs and other animal models



Safety pharmacology

- a) Core battery studies
 - Telemetry (implantable and non-implantable), evaluation of respiratory function, cardiovascular assessment and FOB, both in conscious and anesthetized animals
- b) Supplemental studies



Formulation safety and topical toxicity studies

- Local tolerance including ocular, respiratory (inhalation), vaginal and percutaneous



Immunogenicity

- Cellular immunity, humoral immunity, ADA and neutralizing antibodies



Genotoxicity studies

- Ames assay, in vitro chromosomal aberration test, micronucleus test, mouse lymphoma assay



Developmental and reproductive toxicology (DART)

- Segment I, II and III in rats and segment II in rabbits



Carcinogenicity studies

- Two-year repeated dose carcinogenicity study in rats
- Short- and medium-term carcinogenicity study in transgenic mice, rodent initiation-promotion model and neonatal rodent carcinogenicity model



Toxicokinetic studies



Abuse Liability Studies

- Dependence potential of medicinal products, physiological and psychological

Featured Drug Evaluation Systems:

Pediatric, ophthalmic and dermatologic drugs, and cellular & gene therapy products



Various Routes of Administration:

Oral, percutaneous, intradermal, intranasal, vaginal, inhalation, subcutaneous, intra-peritoneal, intramuscular, intravenous, intra articular, and special ocular routes of administration



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