Discovery Research

Discovery Toxicology



Discovery Research Suven Life Sciences Ltd

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Suven Life Sciences introduces the





Wherein toxicity studies are conducted on NCEs/NMEs at the early stage of discovery.

The data is generated at extremely rapid pace with the highest quality and scientific integrity to make a go/no-go decision.

- 4- Day Tox in 14 Days
- 7- Day Tox in 17 Days

Animal Facility



Rodent Facility

- Vivarium spreading over 15000 sft
- Three floor facility with double corridor system
- House Rats, Mice, Guinea Pigs, and Rabbits





- Control environmental conditions
- HEPA filtered 100% clean air supply
- Individually ventilated cages
- Breeding nucleus from reputed vendors (CRL / Envigo)

Animal Facility



Non-Rodent Facility (Beagle Dogs)

- Spreading over 5000 sft
- Capacity to accommodate ~ 100 dogs
- Single or group housing
- Sick isolation kennels





- HEPA filtered 100% clean air supply
- Control environmental conditions
- Spacious play/exercise area
- Separate rooms for formulation, experiment, food preparation & storage

Discovery Toxicology - Facilities



Clinical Pathology Lab

- **Hematology Analyzer**
- Coagulometer





- **Urine Analyzer**
- **Clinical Chemistry Analyzer**

Discovery Toxicology - Facilities



Histology Lab

- Automatic Tissue Processor
- Embedding System





- Microtome
- Multi-stainer
- Cover-slipper

Discovery Toxicology - Facilities





Discovery Toxicology Capabilities

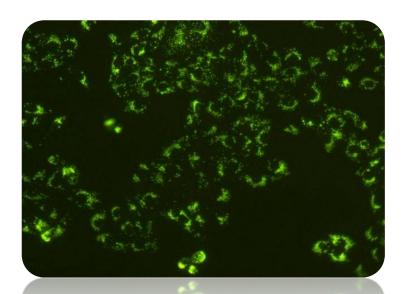


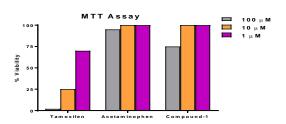
In Vitro Toxicity studies

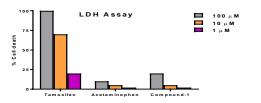
- Cyototoxicity assessment
 - MTT (Cellular Metabolic Activity)
 - LDH (Lactate Dehydrogenase Activity)
 - Trypan blue (Cell Membrane Integrity)

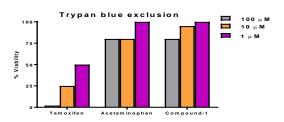
Test System: HepG2 (Human hepatocellular carcinoma)

HEK293 (Human embryonic kidney) IMR32 (Human neuroblastoma)









Phospholipidosis

- Fluorescent Microscopy
- Fluorometry (Fluorescence Plate Reader)

Test System: CHO-K1 (Chinese Hamster Ovary cell line)
CHL/IU (Chinese Hamster Lung cell line)

Discovery Toxicology Capabilities



In Vivo Toxicity studies

- Single dose studies
- Repeat dose tox studies

Animal species: Mice, Rats, Rabbits, Guinea pigs

Routes of administration: oral, iv, im, sc, ip, dermal





> Custom design studies

Discovery Toxicology Capabilities



Genetic Toxicity studies

- In vitro Genotoxicity studies
 - Bacterial reverse mutation test (Ames test)
 - Chromosomal aberration test
 - Micronucleus test





- In vivo Genotoxicity studies
 - Micronucleus test
 - Chromosomal aberration test

Quality Assurance



- Independent Quality Assurance team
- Quality System Procedures (QSP's) for Quality System Management and Standard Operating
 Procedures (SOP's) for Operation, Calibration, Maintenance of Equipment's
- Accredited by ISO/IEC 17025:2005 Quality System since 2005
- Document and Data Control, Conducting Internal Audits, Study Specific Audits
- Dedicated Archive facility for the retention of the records
- Facility audited and approved by many global pharmaceutical companies and majority of Indian Pharma Companies
- Integrity of studies is maintained by following critical components of GLP compliance like SOP, test and control article handling, data handling, training documents, archives etc.

Advantages with Suven Discovery Toxicology



- Expertise in discovery research
- Rapid turnaround time with quality results
- Flexibility in study conduct as per Sponsor's requirement
- Follow GLP principles
- Cost effective

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