TOXICOLOGY at Dabur Research Foundation

Toxicology Department of Dabur Research Foundation (DRF) has extensive expertise to design and conduct toxicity studies with various routes of administration viz., oral, topical, intravenous, subcutaneous, intraperitoneal, intramuscular covering all kinds of test products such as Pharmaceuticals, biopharmaceuticals, phytopharmaceuticals, herbals, agrochemicals, cosmeceuticals, differentiated formulations, specialty chemicals following International and Nationals Guidelines such as ICH, EMEA, WHO, OECD, EU, OPPTS and Schedule Y, CIB, AYUSH (CCRAS) respectively. The studies are conducted in compliance with Good laboratory practices (GLP). **DRF has an expertise and a year of experience to handle PRE-IND projects. Our Scientist led by Ph.D. provide guidance to support your IND submissions.**

Battery of non-clinical toxicology studies includes the following:

- Maximum Tolerable Dose (MTD).
- Dose Range Finding (DRF).
- Acute toxicity studies.
- Repeated dose sub-acute Toxicity studies (14, 28 days).
- Sub chronic Toxicity Study (90 days)
- Chronic Toxicity studies (180 days to 1 year)
- Skin, mucous membrane, and eye irritation studies.
- Skin Sensitization Studies
- Local Tolerance test
- Specific Toxicity study
- Neurotoxicity study
- Carcinogenicity study
- Combined Chronic/carcinogenicity study.
- Reproductive /developmental Toxicity
- Biocompatibility studies on medical devices as per ISO 10993.
- Genotoxicity (e.g., In vivo MNT and In vitro CA)

DRF has wide expertise on' PK/TK analysis service, we have years of experience in handling the studies with deep resources.

DRF has well equipped in Pharma & Bio-analytical sections having LC-MS-MS, evaporator, deep freezer (-30 / -80°c), and other required facilities.
The bio-analytical services involved in services like,

Dose Analysis :

The dose analysis is an important and crucial part of toxicological studies. The several methods for estimation of active ingredient in various have been developed and frequently

validated.

Pharmacokinetic / Toxicokinetic evaluation of drug :

DRF performs Pharmacokinetic / Toxicokinetic estimation of compounds for various Pharma clients. Various LC-MS-MS methods have been developed and validated in mice, rat, human plasma and dog.

DRF helps you to pick the best industry-standard software and instrumentation that is the best fit for your project.

Pathology :

We offer a full set of Histology services starting from the necropsy till submission of Study Reports, we have an experienced peer review pathologist having experience of more than 35 Years to study the Long-term toxicology studies.

<table>
<tr><th colspan="2">Pathology</th></tr>
<tr><th>Anatomic</th><th>Clinical</th></tr>
<tr><td>Necropsy
Gross examination
Tissue processing for paraffin, slide sectioning and staining,
Pathologist interpretation, Consultation, Peer Review
Microscopy & Digital Imaging
Quantitative Image Analysis</td><td>Hematology
Biochemistry
Urinalysis
Coagulation
Electrolyte</td></tr>
<tr><td colspan="2">Related Services
Special Staining
Immunohistochemistry (IHC)
Cytology</td></tr>
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For more information, please contact:

- bd@daburresearch.in
- contact@daburresearch.in