**SERVICES OFFERED**

Offering transparent and cost-effective hassle-free services in Regulatory Toxicology, genetic toxicology, Pharmacology, etc. 'Academically proficient' team of scientist includes PhDs, MVSc., M.Pharm, and life-sciences postgraduates/graduates who are experienced and trained in handling of pharmaceutical and biopharmaceutical, agrochemical, biosimilars, and veterinary products.  Studies conducted are in accordance with the regulatory requirements and guidance documents of the EMA, US FDA, ICH, OECD, and DCGI, RCGM etc.

CEFTE designs the Animal experiments only after due consideration of animal health and the advancement of knowledge on humans or animals weighed against the potential impacts on the welfare of the animals with the 4 ‘R’ principles

**Test system**

Rats - Wistar, Sprague Dawley

Mice - Swiss albino, Balb/C, C-57, Athymic

Rabbits - New Zealand White

Guinea pigs - Dunkin Hartley

Bacterial strains - Salmonella typhymurium

Cell lines - L929, CHOK, 3T3, HepG2

**Test item categories**

* Pharmaceuticals
* Agrochemicals / Pesticides
* Nutraceuticals
* Herbal based / Alternative medicines
* Medical devices

**Toxicology services**

More than 300 studies conducted are in accordance with the GLP regulatory requirements

* Acute / Single Dose Toxicity
* Maximum Tolerable dose and Dose range Findings
* Local Toxicity studies- Skin / Eye / mucus membrane,
* Skin sensitization- Guinea pig (GPMT)
* Sub-Acute / Sub-Chronic toxicity - Repeat Dose 7/14/28/90 day
* Chronic Toxicity - Repeat Dose 180 day/ one year
* Reproduction & developmental toxicity studies - fertility, teratology

**Genetic Toxicity services (In-vitro and in-vivo)**

* Invitro cytotoxicity
* Ames reverse-mutation assay
* Invitro and Invivo Micronucleus study
* Invitro and Invivo Chromosomal aberration test

**Bio-analytical Assays (Large Molecule)**

* Method development, validation and sample analysis as per EMA and FDA guidelines

**Exploratory / Pharmacological services**

CEFTE have well-established and validated in vivo disease / screening models both chemical induced and surgical models for:

* Neuro pharmacology in rat and mice
* Cardio vascular and Metabolic disorder with rat and mice
* Pain & Inflammation Pharmacology
* Reproduction Medicine
* Cancer Xenograft model -Athymic mice
* Biochemical and Molecular techniques
* Histopathology and Immunohistochemistry