

Preincubation Unit
Toxicology centre

In-Charge:
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Equipment's available	Experiments conducted
<ol style="list-style-type: none"> 1. Bio pack system- mp45 2. ECG physiograph with stimulator-Inco 3. Fermentor 4. Gel electrophoresis apparatus-Aristogen 5. Homogenizer with digital speed indicator-Remi 6. Projection Microscope 7. Leica manual rotary microtome tissue-Lemikro systems 8. Metabolic cage set - Techniplast 9. Mucus chamber with electrode- 10. Rat BP condos Manometer-Inco 11. Respiration pump variable rat strokecapacity 500cc 12. Semi auto analyser-Biosystems 13. Telethermometer(digital)-Inco 14. Urine analyzer- Prism medical service 15. UV Spectrophotometer-AGILENT 	<p>Preclinical in vivo toxicology studies aim to evaluate the onset, severity, and duration of toxic effects, as well as the degree of reversibility and dose dependence.</p> <ol style="list-style-type: none"> 1. Acute toxicology research focuses on the toxicological reactions to a single, high dosage of the target drug. 2. Subchronic and chronic studies are carried out for longer-term research to replicate long-term drug use and the ensuing negative effects. Subchronic toxicity investigations involve giving the test drug in small doses repeatedly over the course of up to 90 days. Studies on chronic toxicity, on the other hand, concentrate on the effects of the test chemical over months or years. 3. Other toxicity studies include: dose escalation studies, Carcinogenicity, Genotoxicity, Mutagenicity and organ specific toxicity

