

ACUTE ORAL TOXICITY STUDY OF EFIPLUS CAPSULE IN MICE

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ABSTRACT

Objective: The aim of present study was to evaluate the acute toxicity of Efiplus Capsule in mice.

Material and Method: In this study Efiplus Capsule was administered to both male and female mice in three different doses. These doses were 2.86 mg/20gm, 5.72 mg/20gm & 14.3 mg/20 gm. The equivalent human doses are 1.1 gm, 2.2 gm & 5.5 gm respectively. The maximum dose administered was 10 times the therapeutic dose.

Result: After the oral administration of Efiplus Capsule at the highest dose no mortalities and morbidity was seen in any of the three groups which indicate that Efiplus Capsule is non toxic. Throughout 14 days of the treatment no changes in behavioral pattern and body weight of mice in both control and treatment groups. There was no cyanosis, blanching or Inflammation of nasal tips, paws, eyes, ears & tail. Sedation was absent. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: In conclusion, Efiplus Capsule did not produce any oral acute toxicity in both male and female mice. No death or signs of toxicity were observed in mice treated with Efiplus Capsule at high dose 14.3 mg/20 gm., thus establishing its safety in use.

Keywords: Efiplus Capsule, Acute Toxicity, body weight, cyanosis, non-toxic etc
