

ACUTE ORAL TOXICITY STUDY OF AFRODET CAPSULE IN MICE

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ABSTRACT

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

Material and Method: In this study Afrodet Capsule was administered to both in male and female mice in four different doses. These doses were 2.6 mg/ 20gm, 26 mg/ 20 gm, 130 mg/ 20gm & 260 mg/ 20gm. The equivalent human doses are 1 gm, 10 gm, 50 gm & 100 gm respectively. The maximum dose administered was 100 times the therapeutic dose.

Result: The oral administration of Afrodet Capsule at the highest dose resulted in no mortalities or evidence of adverse effects implying that Afrodet 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. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: Overall, the results suggest that, the oral administration of Afrodet Capsule did not produce any significant toxic effect in both male and female mice.

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