

ACUTE ORAL TOXICITY STUDY OF AFROL CAPSULE IN MICE

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ABSTRACT

Objective: To study the acute toxicity of the Afrol Capsule (in mice).

Material and Method: The study was conducted in S/W mice. Only healthy animals satisfying the conditions of body wt (20-30 gms), age 2½ - 3 months, non-infected, non-wounded showing no abnormal behavior were included in the study. The animals were maintained in clean hygienic conditions of standard animal house at temp. 22 °C to 25 °C. They were fed with pelleted animal feed supplied by animal feed industry Chakan, Pune. Animals had free access to food and water ad libidum. The total no. of animals - both the sex M & F in the study were 50. They were divided into five groups. (10 animals each)

Result: The oral administration of Afrol Capsule at the highest dose resulted in no mortalities or evidence of adverse effects implying that Afrol Capsule is non toxic. Throughout 14 days of the treatment no hyperactivity or depression in animals was noted. No abnormal behavior was seen. There were no tremors, convulsions seen. No writhing was observed. Sedation was absent. No loss of righting reflex, No loss of pinna reflex. Piloerection was absent. Laboured or forced respiration was absent. No palpitation was seen. There was no cyanosis, blanching or Inflammation of nasal tips, paws, eyes, ears & tail. No abnormal secretion from mouth, eyes & nose was seen. No loose motions or diarrhea seen. Consistency of stool of test group of animals was normal.

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

Keywords: Afrol Capsule, Acute Toxicity, Mice, non-toxic, etc.
