



Acute Oral Toxicity Study of PHYTOCEE® : Effects on Body Weight and Gross Pathology

OBJECTIVE

To assess the oral toxicity of PHYTOCEE® in female albino Wistar rats.

MATERIALS AND METHODS

Two types of oral toxicity studies were conducted viz. Sighting study and Main study. In sighting study, rats were treated with two doses of PHYTOCEE® viz. 2000 mg/kg body weight in Group I and 5000 mg/kg body weight in Group II. In main study rats were treated with PHYTOCEE® at 5000 mg/kg body weight. In the both the studies, individual animal body weight was recorded following the period of fasting on day 0, weekly thereafter and at termination on day 15. Changes in body weight gain were calculated and recorded. Macroscopic examination was performed on animals sacrificed at the end of the observation period of 14 days.

RESULTS

Table 1. Effect of PHYTOCEE® on body Weight and body weight gain in albino Wistar rats

Groups	Dose (mg/kg)	BW Day 0	BW Day 7	% BWG Day 0-7	BW Day 14	% BWG Day 7-14	% BWG Day 0-14
Sighting Study							
I	2000	170.00	196.00	15.29	210.00	7.14	23.53
II	5000	172.00	180.00	4.65	200.00	11.11	16.28
Main Study							
I	5000	172.00	188.75	9.74	210.00	11.26	22.09

BW, Body weight; BWG, Body weight gain

Table 2. Effect of PHYTOCEE® on gross pathology in albino Wistar rats

Group	Dose (mg/kg)	Lesions Observed
Sighting Study		
I	2000	NAD
II	5000	NAD
Main Study		
I	5000	NAD

NAD = No abnormality detected

CONCLUSIONS

- PHYTOCEE® administration did not reveal any adverse effect on the body weight gain.
- Furthermore, gross pathological examinations also did not reveal any major abnormalities following PHYTOCEE® administration.

OUTCOME

Hence, PHYTOCEE® was found to be safe after oral administration as a single dose up to 5000 mg/kg body weight in female albino Wistar rats.