



**GAWANDE COLLEGE OF
PHARMACY.**

Sakharkherda, Lavala Road, Tq.

Sindkhed Raja

Dist. Buldhana



Department: **Pharmacology**

Name of the instrument: **Analgesiometer Tail flick**

S.O.P. No.: GCP/PH/020

Stock Register No.: PC00-28/09

Effective date: 12/9/18

Review date: 21/9/18

Procedure:

- Weigh and number the mice.
- Take the basal reaction time by observing hind paw licking or jump response (whichever appears first) in animals placed on the plate maintained at constant temperature (55°C). Normally animals show such response in 6-8 sec. A cut off period of 15 sec is observed to avoid damage to the paws.
- Inject morphine to animals and note the reaction time of animal on the hot plate at 15, 30, 60 and 120 min after the drug administration. As the time increases with morphine, 15 sec is taken as maximum analgesia and the animals are removed from the hot plate to avoid injury to the paws.
- Calculate percent increase in reaction time (as index of analgesia) at each time interval.



Analgesiometer Tail flick

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