

ANALGESIOMETER

- Analgesiometer is the instrument ant for studying the analgesic effect of Morphine by observing the Paw licking or jump response due to heat as heat is used as source of pain. Analgesics increase the reaction time of animals to heat.
- The instrument is self contained in all respect It is fitted with heat element maintained at constant temperature (adjustable) with the help of front panel controls marked current it is provided with an acrylic box fitted for placing the mice gunmetal stand over the heat element for holding the tail of the mice two nozzles are provided on the stand for cooling by water on Hot.
- An algesiometer operates on 220/230 V50 HZ

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HISTAMINE CHAMBER IIC - 320

- (a) With small spray pump.
- (b) With Electric Nebuliser.

ELECTRO CONVULSOMETER

- The Electro-Convulsometer is the instrument used for applying maximal Electro shock (MES) through the corneal electrodes activity with the instrument. It is used to study the anticonvulsant activity of phonation against maximal electro shock induced convulsions in rats.
- The instrument contains manual voltage corrector so that a constant current can be applied to the mice or the corneal electrode.
- The control panel is properly designed for easy to use and is self explanatory.
- The shock period can be controlled with the help of electronic timer from 0.1 seconds to 3 seconds.
- The instrument is provided with three sets of cornels electrodes of different sizes.

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ROTA ROD APPARATUS

- ROTA ROD is the instrument meant for studying the effect of diazepam on the muscle grip strength of mice. A versatile built with LSI chips is equipped with Four/Two/Three compartments and Four/Two/Three independent 4 digits. Digital milliseconds timer for measuring the fall-off time of the mice
- It is also equipped with a motor coupled with rotating rod whose speed can be varied with the help of the front panel knob marked with an arrow or speed less than 10 RPM. One of the important pharmacological actions of ant anxiety of agents of benzodiazepine class of drugs is muscle relaxing property. The skeletal muscle relaxation together with taming or calming effect these agents reduces anxiety and tension. The loss of muscle-grip is an indication of muscle relaxation; this can be easily checked in animals, using ROTAROD. The difference in the fall of time from the rotating rod between the control and diazepam treated animals is taken an index of muscle relaxation.

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