

TAIL FLICK ANALGESIA METER

Measuring pain sensitivity in rats & mice



PRODUCT OVERVIEW

SDI's Tail Flick Analgesia Meter measures pain sensitivity in rats and mice as they respond to the application of heat to a small area of the tails. The subject's tail is placed over a window located on the Tail Flick platform. A foot switch activates an intense light beam to heat the tail at a reliable and reproducible rate. When the subject feels discomfort it flicks its tail and the timer automatically stops. The reaction time from activation of the light beam to the tail flick is automatically presented on a digital display.

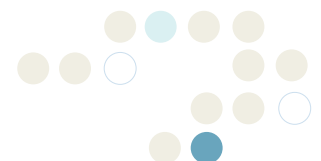
The Stimulation Unit contains a halogen lamp (for the heat stimulus) installed on a pivoting stand mounted on a flat black acrylic base. A photo beam detects the tail flick and "freezes" the latency timer. The Control Unit operates the stimulation lamp and ensures the accuracy of the response time measurement. Response time is measured to one tenth of a second and displayed on a digital screen. Optional SeDacom software supplied with the unit can be used to automatically record the results on a computer for reporting

Features & Benefits

- Reliable, light beam heating
- Automatic timer precisely records the subject's reaction time
- Digital display of tail flick reaction provides accurate readings
- Optional computer recording software saves time

TAIL FLICK ANALGESIA COMPONENTS

- Stimulation Unit
- Control Unit
- Foot switch
- Rat or Mouse Restrainer
- SeDaCom Software (optional)
- User Manual
- All cables & connectors



TAIL FLICK ANALGESIA SPECIFICATIONS

Dimensions	Control Unit: 12 1/4" (W) x 11 1/2" (D) x 5" (H) Stimulation Unit: 15 3/4" (W) x 7 1/2" (D) x 6" (H)		
Restrainers Dimensions	Type	Weight	Dimensions (mm)
	Mouse	35g	90 x 30
	Mouse	50g	100 x 34
	Rat	150g	150 x 44
	Rat	250g	180 x 54
	Rat	400g	200 x 64
	Rat	500g	225 x 74
Material Composition	Acrylic		

TAIL FLICK COMPUTER REQUIREMENTS

Windows XP/Windows 7 compatible computer system with serial port. Minimum disk and memory sizes specified to support Windows XP/Windows 7 are acceptable.

SDI CONFIGURED COMPUTERS

SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

FOR MORE INFORMATION

To learn more about SDI behavioral testing systems, please visit www.sandiegoinstruments.com. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com.

SDI MOTOR & SENSORY TEST SYSTEMS

- Animal Grip Strength System
- Hotplate Analgesia Meter
- Hot/Cold Plate Analgesia Meter
- Rotor-Rod™
- Tail Flick Analgesia Meter
- Pressure Analgesia Meter



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