Incapacitance Meter For Mouse And Rat

FOR ASSESSMENT OF PAIN & INFLAMMATION IN THE HIND LIMB OF SMALL RODENTS ACCORDING TO STATIC WEIGHT BEARING TEST.

Designed To Measure Pain And/Or Inflammation Of The Hind Limbs On Mice or Rats.

Orchid's Incapacitance Meter is used for the measurement of pain and/or inflammation of the hind limbs on mice or rats. The Incapacitance test represents an unsurpassed method for assessing spontaneous pain in laboratory animal models with inflammation or nerve injury in one hind paw (neuropathy, incision, etc). In the Incapacitance test, animal is positioned in a holder specially designed to maintain in comfortable position on two separated sensor plates. Orchid's Incapacitance Meter enables to quantify the spontaneous postural changes reflecting spontaneous pain by independently measuring the weight that the animal applies through each hind paw on respective sensor. In the absence of hind paw injury, animal applies equal weight on both hind paws, indicating a postural equilibrium. After unilateral hind paw tissue injury, a lower weight is applied by the injured paw indicating postural non-equilibrium. Orchid's Incapacitance Meter, initiates a measurement cycle during which a number of force measurements are performed and averaged. The period over which these measurements are recorded is under user control; adjustable between 1 to 99 seconds. At the conclusion of the measurement, the resulting data is displayed to a resolution of 0.01 gram.

English Russian Japanese
Italian French German
Thai Chinese Korean

Multi-Language Touch Screen Display

FEATURES:

- Specially designed animal holders to cover a wide range of animal sizes- 30-50g, 130-160g, 250-280g.
- Easy and precise measurements with averaging of force data in defined time.
- Instrument has provision to add No. of Sequences, auto experiment number, Animal type, and animal sex.
- Footswitch control
- Touch screen display
- Three units of measurement available g/N/lb
- Capacity of 1500g with resolution of 0.01g
- Password protected system
- Software for PC connectivity
- Password-protected software and admin features
- Software for data collection & report generation
- Graphical presentation of data
- Provision to add experiment Title & comment
- Data can be converted to excel & Pdf file for further analysis

SYSTEM SPECIFICATION & MODELS:

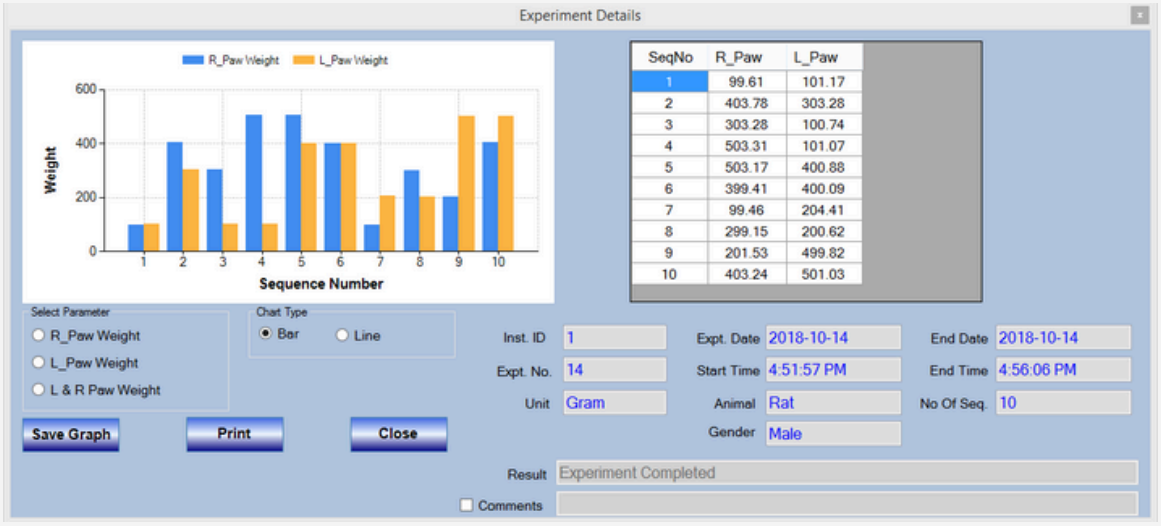
Specifications	Model: INCAP -01
Capacity	1500g
Resolution	0.01g
Accuracy	±0.2% FS
Reading averaging time	1-99 seconds
Display type	Touch screen display 4.3"
Measurement Units	Grams(g)/Newton(N)/Pound(lb)
Useful for	Test pain and inflammation in the hind limbs of mice, rats
PC Connectivity	By Using an Ethernet cable
Required System Configuration	Windows 7/8/10 Operating System, RAM-1GB or more, Hard disk Capacity 260GB or More, Screen Size 15" or more.
Power Requirements	220/230 V AC 50-60Hz or 110/120 V AC 50-60Hz**
Unit Dimensions (L X W X H)	Control Unit : 200x230x200 mm, Sensor Unit 555x225x100 mm

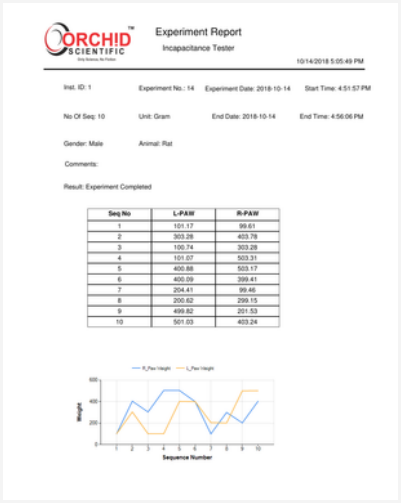
ORDERING INFORMATION:

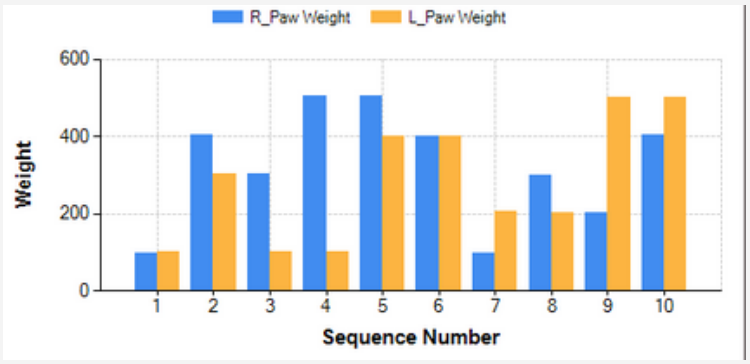
Model	Certifications	Power Requirement	Accessories
INCAP - 01	CE Compliant	220/230V AC 50Hz or 110/120V AC 50-60Hz*	• Control Panel with three types of acrylic animal holders. • Foot switch,Ethernet cable for pc connectivity. • Software.

*Needs to be specified in order information

SOFTWEAR REPORT FORMAT:







Note: Orchid's continuing product development makes specifications subject to change without prior notification.

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