

Crocus Scientific Trading

HOUSING

crocus scientific trading Manufacturer and Supplier Of Mice & Rats Cages for animal welfare and meeting research requirements in Universities and Research Centers in Pakistan. ***crocus*** is the ideal partner at your side for your housing needs. we provide solutions for any conventional housing requirement designed for husbandry to meet hygiene needs, occupational health and safety requirements, everything undergoes the top quality check to deliver the reliability you expect from us for a long-lasting product.

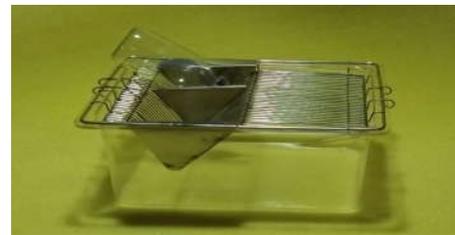
CONVENTIONAL CAGES

“***crocus***” cage bodies are designed to facilitate animal welfare, meet research requirements and minimize experimental variables. the following cage body selection is grouped by species. transparent plastic with exceptional impact strength and heat resistance.it can be autoclaved at 121°C/250°F

Body:-

- *Autoclave able.*
- *Fully Transparent Body.*
- *Food Grade Quality Material polycarbonate Material.*
- *Excellent stake ability for ease of handling and storage.*
- *Chrome plated/S.S Top grill with duly spot welded and finished joints.*
- *Provision of fixing water bottle.*
- *Provision for feed pallets.*

Manufactured By : **Crocus Scientific Trading**



Accessories:-

BOTTLE SELECTION

“***crocus***” bottles have a long lasting silicone ring enabling easy placing and removal of caps; the ring doesn't have to be removed for cleaning when bottles are autoclaved and features three protruding lips which prevent water from leaking. Bottles are made of clear-glass Polycarbonate (PC), FDA requirements and Autoclavable at 121°C /250°F for 20 minutes. Water Bottles Made Of Glass . Glass Bottles Are Graduated From 250ml To 500ml, And Slipper Tube Is Provided In Stainless Steel. leak-proof bottles with silicon rings feature polished with cone shaped, design that maximize water availability for animals;



Crocus Scientific Trading

Stainless Steel Feeding Needles

“crocus” stainless steel feeding needles meet the needs of researchers that prefer traditional reusable metal tubes. The needles are comprised of a stainless steel tube and ball and a nickel-plated brass hub. The sizes range to cover rodents ranging in size from mouse pups to large rats. The needles are sold straight, but are easily bent for optimized use.



Trolley for Mice & Rats Cages

crocus scientific trading discover the widest range of conventional housing solutions promoting animal welfare and meeting research requirements. CST-T1 Racks/Trolleys for holding animal Cages either mice or rats are available in hanging types. In hanging type, cage is kept in the rack.

Specifications:-

Size of trolley:

Height=63.5”approx

Width=69”approx

Depth=11”approx.

Cages Capacity= 25 cages

Number of cages in /Row =5

Total shelves= 5



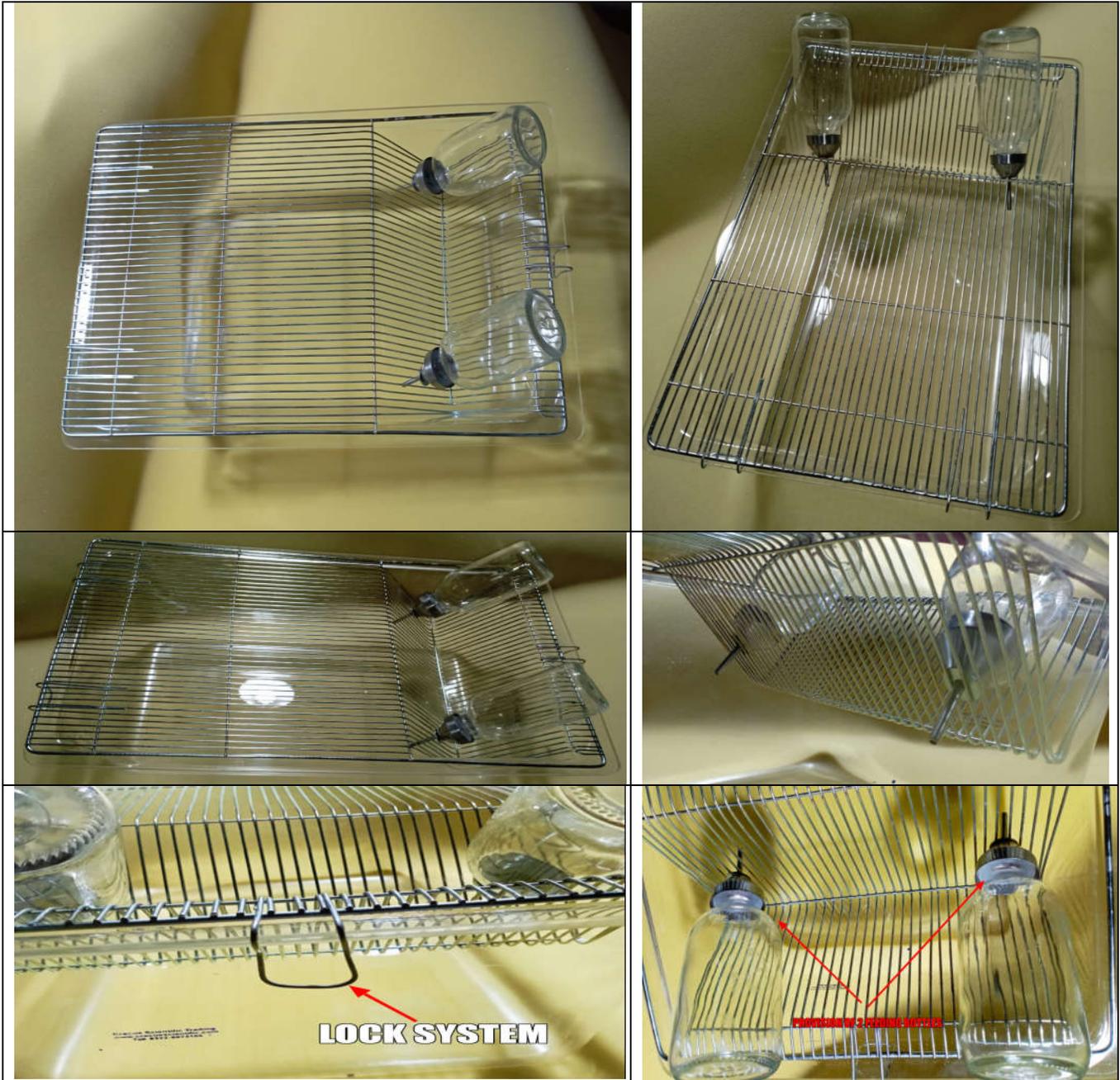
*Crocus Scientific Trading reserves the right to change in design without notice.

S.No	Item Name	Size	Models No
1	Rats Cage Breeding ss304	419x280x178	CST-RCB-304-1
2	PREMIUM BREEDING SS304 6mm	419x280x178	CST-PRB-6-1
3	Rats Cage Breeding chrome	419x280x178	CST-RCB-CH-1
4	Rats Cage Normal Cage chrome	419x280x178	CST-RCN-1
5	Rats Cage normal SS304	419x280x178	CST-RCN-304-1
6	Mice Cage Breeding ss304	290x220x140	CST-MCB-304-1
7	PREMIUM SS304 6MM	290x220x140	CST-PMB-1
8	Mice Cage Breeding chrome	290x220x140	CST-MCB-CH-1
9	Mice Cage Normal Cage chrome	290x220x140	CST-MCN-CH-1
10	Mice Cage normal SS304	290x220x140	CST-MCN-304
11	Single Mice Cage SS304	230x180x125	CST-M-304-1
12	Single Mice Cage Chrome	230x180x125	CST-M—1
13*	Extra Large mice and Rats Cages	510x330x178	CST-XMR-304

Crocus Scientific Trading

NEW ARRIVAL

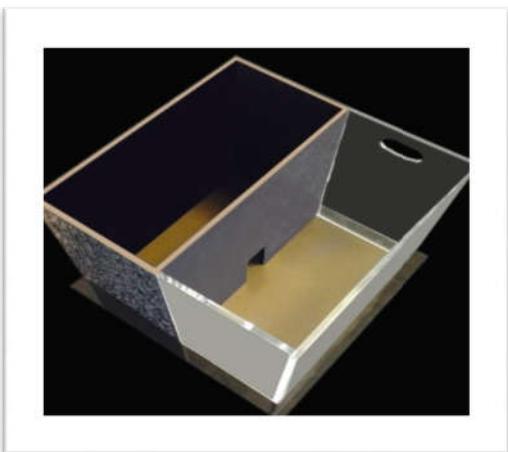
Extra Large Mice and Rats Cages



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Light/Dark Box

Crocus Light/Dark Box is a characteristic tool used in the assessment of anxiety. The basic measure is the animal's preference for dark, enclosed places over bright, exposed places. Time spent in the lit (light) half of the arena, and the related exploratory behaviours, are reliable parameters for assessing anxiolytic effects that may be useful in identifying and/or screening of anxiolytic and antigenic agents.



Key Features Of BLACK & WHITE TEST

- a) Compartments with independent and highly contrasted illumination
- b) Easy to clean between
- c) Total time spent in each compartment latency to the first change of compartment
- d) Number of changes between the black and white compartments
- e) Total duration of the experiment
- f) Standard transparent cylinder Available in other sizes by special order

Specifications

1. Available for rat or mouse
2. Walls fit solidly in slotted base, but lift off for easy cleaning.
3. Grey, non reflective base plate.
4. CST-STA02 (D x H) 10 x 25 cm (4 x 10 in)
5. CST-STA04 (D x H) 20 x 50 cm (8 x 20 in)

Model No	CST-BW02
White Compartment	240 x 250 x 250 mm (9.5 x 9.8 x 9.8 in)
Black Compartment	240 x 250 x 160 mm (9.5 x 9.8 x 6.3 in)
Material Composition	Acrylic,



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HOLE BOARD APPARATUS

The hole board test is mainly used for assessing exploratory behaviours in rodents. The animal is placed on an arena with regularly arranged holes on the floor. Both frequency and duration of spontaneous elicited hole-poking behaviour are then measured during a short period of time. This test also provides a simple method for assessing anxious response of a rodent to an unfamiliar environment. The use of the hole-board in this perspective relies on the hypothesis that the behaviour of animals exposed to a novel situation results from competition between an exploratory tendency and a withdrawal tendency. Thus, a high level of anxiety results in decreased head-dipping behaviour and inversely, a low level of anxiety manifests as increased head-dipping behaviour. Other associated behaviours can be evaluated during the hole board test, such as grooming, rearing and locomotion...

Key Features Of Hole Board Apparatus (CST-HB02)

The modified Hole Board is a behavioural test used in neuroscience to assess multiple aspects of unconditioned behaviour, cognition and social interaction. The Maze Engineers Hole Board comes with inserts of either 16 or 4 holes. The inserts are easily removable and can be used as an open field chamber for secondary experiments. The entire wall apparatus can be removed for easy cleaning. Anxiety, Drugs screening, Phenotyping

Model No	CST-HB02
White Compartment	(12 x 9.8 x 9.8 in)
Material Composition	Meth acrylic,
Manufacturer	Crocus Scientific Trading Lahore Pakistan



Rabbit Cage Standard & Trolley

Crocus Scientific Trading is manufacturer of Rabbit Cage Standard & Trolley.

Rabbit Cage Standard Type:

MOC : Made of 304 quality stainless steel sheet and wire.

Main Frame : Main frame of the cage made of S.S. square pipe of 12.7mm x 12.7mm x 18 swg and covered up to a height of 155mm from bottom with SS Sheet of 22swg on three sides except front. Wire mesh made of 2.5mm and 5mm S.S. rod spot welded inside the SS square pipe on all three side including top of cage.



Door: Cage door has a fixed label holder and arrangement for fixing water bottle and food hopper. The door will be made of wire mesh of 2.5mm and 304 rod 5mm SS spot welded on a frame of 5mm SS rod .

Food Hopper : J shaped food hopper made of SS304 22swg

Water bottle: Polycarbonate/Glass water bottle of capacity 650ml fitted S.S. bent type nozzle

Floor Grill : Bottom floor net is made of 2.5mm & 5mm SS wire welded on a frame of 5mm SS rod. Floor net is fixed in the bottom and non-removable type.

Tray : Excreta Tray made of 22swg Stainless steel sheet with turned and smoothed edges. The cage is provided with S.S. L shaped angle of 20mm x20mm x 18swg for Excreta Tray.

Cage Size : 600mm x 450mm x 450mm (L x W x H)

TROLLEY/ RACK TO HOLD RABBIT CAGES (Standard Type):

Available in sliding type .Suitable for holding Rabbit Cage (Standard Type) Model CST-RC-01.

Material: AISI 304 quality stainless steel square pipe of Size 20mm x 20mmx 18swg & stainless steel L shaped angle of 14swg.

Movable on 4 No. of Polyurethane swivel castor wheels 2 with brakes.

The entire Battery/Rack will be provided with stoppers on the backside of the angles to prevent cage falling from the back. All the joints will be welded with Argon Arc welding with glossy finish.

Rabbit Trolley

Model	Number of shelves	Number of cages/shelf	Total cages/trolley
CST-R-T-3	3	1	3

Rabbit Cage

Product	Model	Accessories Supplied
Rabbit Cage Standard Model	CST-R-C-01	S.S. 304 cage , excreta tray, food hopper, water bottle

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FORCED SWIM TEST CST-FS-03

FORCED SWIM TEST

Forced Swim" Test which is also known as the behavioral despair test, is the most commonly used test for assessment of depression in animal models. The test is commonly used to measure the effect of antidepressant drugs on behavior of new compounds, and experimental manipulations that are aimed at rendering or preventing depressive-like states. The cylinder is a straight-forward design. Sizing is importantly linked to the function of the test. The "crocus forced swim" cylinder has standard and custom size options.

We provide several different sized acrylic transparent cylinders for the forced swimming test .

FOR STUDIES ON

- * Depression
- * Antidepressants
- * Mood
- * Behavioral Despair

TECHNICAL SPECIFICATIONS

Item #	Dimensions
<u>CST-FS01</u>	10 x 25 cm (4 x 10 in)
<u>CST-FS02</u>	20 x 50 cm (8 x 20 in)
<u>CST-FS03</u>	30 x 50 cm (12 x 20 in)

All cylinders are made of acrylic.



Manufactured By : *Crocus Scientific Trading*

Sociability cage Model:CST-SC-03

Three Chamber Social Test

The apparatus also includes two removable clear acrylic sliding doors to prevent access to the side chambers, and two small acrylic cages for the introduction of the unfamiliar (stranger) mice. A small space between the chambers allows you to slip a piece of paper inside in order to prevent visual contact between the three chambers. The main principle of this test is based on the free choice by a subject mouse to spend time in any of three box's compartments during two experimental sessions: the sociability session and the social novelty session. Disruption of social behavior and social recognition are characteristics of many neuropsychiatric disorders (such as Schizophrenia, Bipolar disorders) and a noticeable symptom of neurodevelopment disorders (such as Autism).

FOR STUDIES ON:

- Autism
- Social Memory & Novelty
- Pair-bonding
- Dominance hierarchies

SPECIFICATIONS:-

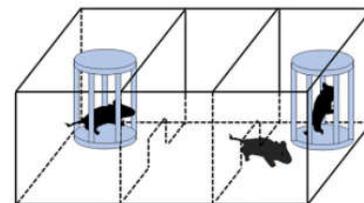
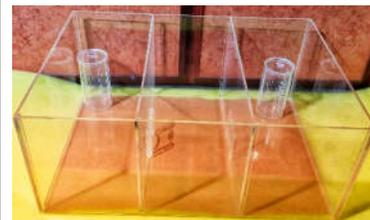
Material:Acrylic polycarbonate rectangle

Size:400x200x250mm

Dividers: (200 x 220 mm)

sliding door of about 50 x 50 mm

Manufactured By : *Crocus Scientific Trading*



We may change our design any time with out any notice

Laboratory Science Research Lab Equipment Supplier



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Activity Wheel CST-AW02

Crocus's The Rodent Activity Wheel represents a very simple and clever way to register animal voluntary physical activity in its home cage environment. The use of this high throughput tool is particularly relevant for research involving circadian rhythms, phenotyping and drug testing. The animals are housed individually in the home cages equipped with the running wheel. Two models of rodent activity wheel are available with external or internal wheel. The external wheel option is provided to preserve animal living space.

KEY FEATURES

Easy way to quantify rodent voluntary exercise in their home cage environment
External or internal wheel options
For rat, mice and hamsters
Ideal for high throughput experiments
**Manufacturer: Crocus Scientific Trading
Lahore Pakistan**



The Mouse Tent CST-MT02 is made from tinted polycarbonate and provides an ideal shelter for mothers to build their nests. Its unique design increases the floor area and offers life saving refuge during cage flooding events by providing an opportunity for escape to a higher level where mice can stay warm and dry. • Increases cage floor area • Autoclavable red polycarbonate • Cagewasher safe • Excellent quality yet highly economical • Easy to clean, store & stack.

Specification:

Floor area 100 x 110 mm Height 75mm



Open Field, 27cm, Clear (OFAM-01)

Crocus open Field apparatus is broadly used to assess exploratory behavior and validated for use in the measurement of anxiety related behaviors.

- Available for rat or mouse (mouse version pictured below).
- Available with transparent or opaque walls

Product Info

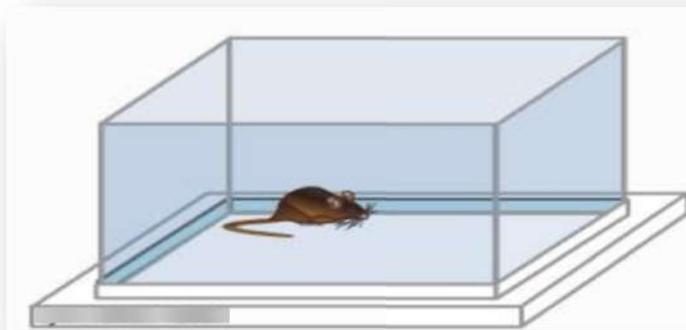
Open Field test is a popular protocol used to assess exploratory behavior and anxiety. Thigmotaxis in the open field is used to evaluate anxiolytic, anxiogenic and even non-pharmacological treatments. Ambulation is the most common behavior studied with this maze, but others such as latency or rearing can also be measured. In addition, objects can be added for a modification similar to the novel object recognition field.

- Walls can be both opaque and clear. We recommend that clear walls are used for measurements of anxiety, while opaque walls are used if assessments include novel object recognition.
- Walls are easily detachable for easy cleaning.



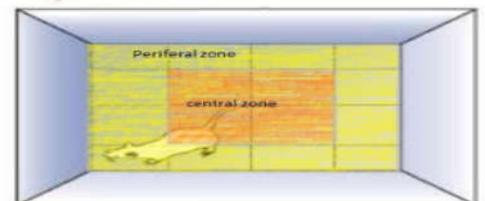
Apparatus and Equipment

Crocus Open Field apparatus is a square arena that is available in a 27 x 27 cm and 50 x 50 cm sizes to accommodate different sized animals. The arena is surrounded by high walls to prevent the subjects from escaping the apparatus. In general, the walls are clear. However, opaque colors and matte finish are also available. Floor inserts for the apparatus are available with or without gridlines. These gridlines divide the area into equal smaller squares and can be helpful for manual scoring, as well as video recording and scoring with tracking software. A square area in the very center of the area may also be outlined.



• Open-field Test

Open-field



ELEVATED PLUS MAZE

Introduction

Elevated Plus Maze (EPM) is a widely used behavioral assay in the study of anxiety and anxiety-related disorders in neuroscience. The maze is based on the tendency of rodents to avoid exposed open areas and their innate behavior to scavenge for food. The EPM is a four-choice armed maze that exploits the natural tendency of rodents to seek sheltered spaces. Of the four arms of the maze, two arms are enclosed by walls while the remaining two are un-walled.



Summary and Key Points

- The Elevated Plus Maze is a widely used anxiety-related behavioral assay.
- The maze has four alternating enclosed and open arms radiating from the small central platform, spaced at 90 degrees from one another.
- The animal's preference for enclosed or open spaces is recorded in an Elevated plus Maze task.
- Subjects treated with anxiolytic drugs tend to show lessened anxiety-like behavior by visiting the open arms more.
- Subjects treated with anxiogenic drugs show heightened anxiety-like behavior and prefer the enclosed areas of the maze.
- By enclosing the adjacent arms and introducing aversive stimuli in the enclosed arms, the apparatus can be easily adapted for a discriminative avoidance task.
- Specific strains of rodents may perform differently on the maze.

Specification

Arm Length: 30cm

Arm Width: 5cm

Wall Height: 15cm

Stand Height: 45cm

Material: wood & Acrylic



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Automated Y Maze

Description

Crocus Y maze is an enclosed apparatus in the form of a Y placed horizontally, similar to the Crocus T maze. Animals usually start from a stem of the Y Maze (arbitrarily chosen) and allowed to spontaneously alternate between the arms. The test relies on either spontaneous alternation or rewarded alternation (1). The Crocus Maze automated Y maze uses automated detection so that the mouse or rat can be held in the center area with a freeze time, allowing for many trials without human intervention, maximizing ease of use and automated experiments.

Specification

Mouse

- 30cm arm length
- 5cm arm width
- 15cm arm height
- Material: Wood & Acrylic



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METABOLIC CAGE CST-MC-03

Metabolic caging for animal research Rats and mice, Made of Polycarbonate For collection of feces & urine from experimental animal. The metabolism cage is designed to allow measurement of fluid intake, and to separate and collect feces and urine for numerous qualitative and quantitative determinations. Crocus Scientific's metabolic cage offers better separation efficiency of urine and feces collection with maximum purity of samples.

Components of the cage floor like collection tubes are removable without disturbing animals. Animal waste is directed through a collection funnel and onto a linear diffuser guide. The diffuser guide allows solid matter to travel down the top ridges, passing over a urine port, and into a fecal collection vessel.

Liquid waste flows along grooves down the inclined diffuser guide, passing through the urine port, and into a urine collection vessel. Separate urine and feces samples are collected in two separate tubes.

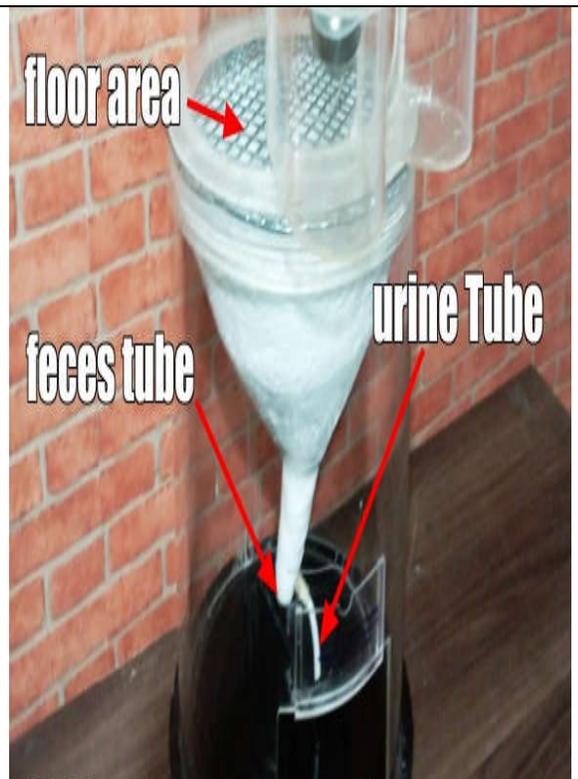
COMPONENTS INCLUDED

Polycarbonate cage with lid
Stainless Steel Floor grill for mice and rat
Polycarbonate Linear diffuser guide
Urine collection tube .
Feces collection tube.
Glass water bottle 250 ml with holder
Waste water collection space.
Food Hopper

TECHNICAL SPECIFICATIONS

Cage Dimensions Round Type: 210×250 mm
Floor grill has diameter of: 200 mm Round

Manufactured By : Crocus Scientific Trading



Food and water systems allow the animal's intake to be easily measured and are located outside the cage to prevent spillage from contaminating the excreta.

Crocus

Mice Rat cage Racks

Mice Rat Cages Trolley

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Specifications:-

Size of trolley: Height=63.5" approx
Width=69" approx Depth=11" approx.
Cages Capacity= 25 cages
Number of cages in/Row=5
Total shelves= 5

Iron Model . ITR-25

Stainless steel Model . STR.25

Material . Available in iron and stainless steel

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Pharmacylab.crocus

Analgesia Hotplate

Hot Plate Analgesia Meter

Specifications:

Surface temperature range: 25C to 80C
precisely controlled to within 0.20
Built-in electronic timer
Digital set point
Optional Data Transfer software
Built-in digital thermometer
Start/stop foot witch control
Temperature range: 25c to 80C
Temperature Accuracy: 0.10
temperature stability and even surface
distribution Heated Surface 3/4" Anodized
Aluminum provides a high
Accuracy of Tamer: 0.01 seconds
Size of heated Surface: 7"x10" x 0.75"
19mm)-Rs-232, Wifi transfer of data

Features:

Plate temperature can be held at a set point
between 5 Cabove ambient to 80°C(10.1°C)
Instrument has provision to add max sequence
numbers, auto experiment number and animal
Precise and reproducible results
Cut off timer to avoid damage to animal
PC Connectivity with software
Software with calibration and report generation
feature
Software has provision to add title, comment,
converted in excel or pat graphical presentation
and data can be

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Analgesio
Hotplate



Rat Rotarod



RR404

The Rota-Rod is the reference test to screen drugs potentially active, or having side effects, on motor coordination.

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Instruction Manual (Rev. -1)

SPECIFICATIONS

General

Model	CST-RR-401
Commands	4"3 touch-screen (resistive)
Read-out	on the touch-screen
Power Requirement	Universal input 85-264 VAC, 50Hz, for 12v DC Power supply.
Sound Level	< 60 dB (A)
Operating Temperature	-5° to 60° C

Operation

Speed	adjustable in the range 3-80 RPM, in steps of 1 RPM
Basic Mode	constant,
Optional on Demand	ramp (accelerating), multi-step ramp (NEW!), forward, reverse, rocking
Rotor Start/Stop	on the touch-screen
Counting Start /Stop	each section via its trip box
Trip-Box	PVC
Drive	forward, reverse, rocking
Data Portability	WIFI
Data	exported to Pdf

Physical

Total Weight	15Kg approx..
Shipping Weight	21Kg approx.
Dimensions	55(w)x46(d)x57(h)cm

Packing Dimensions	76x60x75cm
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Warranty	12-month
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Analgesia Hotplate

Hot Plate Analgesia Meter

Specifications:

Surface temperature range: 25C to 80C
precisely controlled to within 0.20

Built-in electronic timer

Digital set point

Optional Data Transfer software

Built-in digital thermometer

Start/stop four touch control

Temperature range: 25c to 80C

Temperature Accuracy: 0.10

temperature stability and even surface

distribution Heated Surface 3/4" Anodized

Aluminum provides a high

Accuracy of Timer: 0.01 seconds

Size of heated Surface: 7"X10" x 0.75"

19mm)-Rs-232, Wifi transfer of data

Features:

Plate temperature can be held at a set point

between 5 C above ambient to 80°C (10.1°F)

Instrument has provision to add max sequence

numbers, auto experiment number and animal

Precise and reproducible results

Cut off timer to avoid damage to animal

PC Connectivity with software

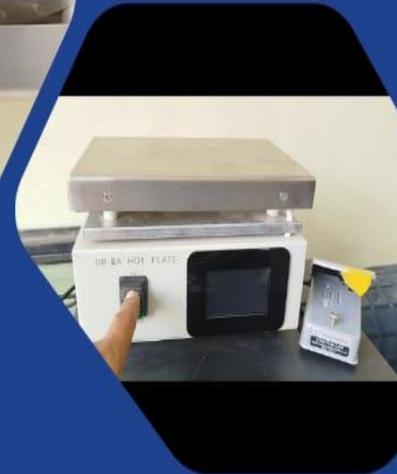
Software with calibration and report generation
feature

Software has provision to add title, comment,
converted in excel or pdf graphical presentation
and data can be

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T Maze Apparatus

T MAZE

T-mazes are utilized to investigate how rodents engage with memory and spatial learning by applying various stimuli. The principles of T- and Y-mazes are employed to evaluate rodent behavior. Tasks like left-right discrimination and forced alternation are primarily used to assess reference and working memory in these animals.

SPECIFICATIONS

MICE. 14X3X8

RAT . 14X4X10

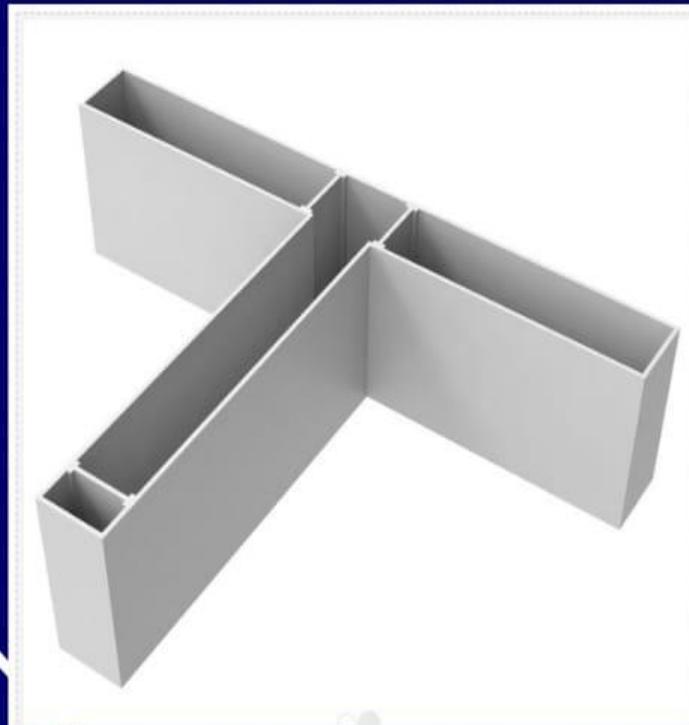
MATERIAL. ACRYLIC

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Tail Suspension Apparatus

Tail suspension

The tail suspension test (TST) evaluates antidepressant-like activity in rats. Rats are suspended by their tails, and immobility time is measured. Less immobility indicates potential antidepressant effects. It's a quick, reproducible preclinical screening tool. The test assesses stress and emotional responses.

SPECIFICATIONS

SIZE. 60X40X20 CM

MATERIAL. ACRYLIC

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