

Metabolic Cages For Small Rodents (Rat)

FOR COLLECTION OF FECES & URINE FROM EXPERIMENTAL ANIMAL

There are many types of metabolic cages developed for metabolic studies of experimental animals. Most of them are constructed from plastic, glass or a combination of plastic, glass, and metal screen with the primary function of urine-feces separation. Many of the cages available have several disadvantages as more number of parts, expensive construction, lack of versatility, inadequate space for the animal and incomplete separation of urine and feces. Orchid Scientific has developed new type of metabolic cage RMC 03 which eliminates all these disadvantages.

Orchid's metabolic cage offer better separation efficiency of urine and feces assuring maximum purity of samples.

Components below the cage floor like collection tubes are removable without disturbing animals allowing tests to be conducted over a prolonged period of time without interruptions.



Designed To Offer Better Separation Efficiency Of Urine And Feces Assuring Maximum Purity Of Samples



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 of a 50% incline, 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. A urine deflector prevents excess urine from splashing and contaminating fecal specimen. Separate urine and feces samples are collected in two separate tubes.

FEATURES:

- Reliable experiment results due to better separation efficiency
- Food hopper design reducing the access or stay of animal inside food hopper
- Practicality of use due to less components or parts
- Minimal animal stress: Meets CPCSEA requirements, Sample removing is without stressing animal, access to all elements below the cage floor without disturbing animal
- Durability: Most components are made from autoclavable polycarbonate and S.S. 304 material
- Versatility: Unit accommodates various species with simple feeder and floor change
- Space saving
- Economy: Few parts, simple and rapid assembling

UNIQUE DESIGN OF FOOD HOPPER:

New design of Orchid's Food hopper prevents animal to sleep or rest inside same time reducing the food particle contamination in the urine or feces.



LID LOCKING: LOCK THE LID ON THE STUD



COMPONENTS INCLUDED:

- Polycarbonate cage with lid
- Polycarbonate collection funnel
- Two S.S. 304 floor grill for
- rat of different sizes
- Polycarbonate Linear diffuser guide
- Urine collection tube P.P.
- Feces collection tube P.P.
- Polycarbonate water bottle 250ml with holder
- Waste water collection tube P.P.
- S. S. 304 Universal Food Hopper
- S.S. 304 stand for cage

OVERALL APPROX DIMENSIONS:

- 300x300x650mm
- Floor Grill Diameter: 235mm
- Floor Area: 434 sq cm

RACK FOR METABOLIC CAGES (SMALL RODENTS RMC 03):

Our mobile, stainless steel rack can accommodate up to eight or ten metabolic cages per rack. The two-tier construction ergonomically positions cages at convenient height levels for easy observations and routine maintenance. Racks are designed to minimize the number of parts necessary, thus reducing labour and saving your valuable time.

Racks are supplied in parts ready to assemble for ease of transportation.



SPECIFICATION

Model	Number of shelves	Number of cages/shelf	Total cages/trolley
RMC-S-T-4	2	2	4
RMC-S-T-8	2	4	8
RMC-S-T-10	2	5	10
RMC-S-T-12	2	6	12

METABOLIC CAGES FOR SMALL RODENTS (ECONOMY MODEL- DIURESIS CAGE) MODEL: DUC-1



Especially useful for urine collection experiments

The cage is provided with cage body, floor, Funnel, Water bottle and waste water collection tube. Waste water is collected in the P.P. tube.

Cage body is fitted with tag holder for identification purpose.

In this, urine and feces falls on the S.S. Funnel. On S.S. funnel, one sieve of S.S. is fixed which allows only passage of urine and not feces leading to collection of feces above the sieve and urine at the bottom in the P.P. beaker.

COMPONENTS INCLUDED:

- S.S. Cage body
- S.S. grill type floor
- S.S. Funnel
- S.S. mesh plate for separation
- Water bottle 150ml
- Water bottle holder
- Waste water collection P.P. tube
- Urine collection beaker P.P.
- M.S. Powder coated stand

OVERALL APPROX DIMENSIONS:

- 260x300x420mm

RACK FOR METABOLIC CAGES (SUITABLE FOR DUC-1):

Made of S.S. 304 material and suitable to hold 6-8 metabolic cages for small rodents (economy model) DUC-1.

SPECIFICATION

Model	Number of shelves	Number of cages/shelf	Total cages/trolley
DUC-S-T-6	2	3	6
DUC-S-T-8	2	4	8
DUC-S-T-10	2	5	10

METABOLIC CAGE FOR LARGE RODENTS (DIURESIS TYPE):



Orchid's metabolic cages for large rodents are equipped with system for separation of feces and urine. Each system is divided in 3 parts- cage body, separation hopper and feed- water supplying unit.

Separation hopper is fitted with S.S. mesh for separation of urine and feces. Feces are collected above the mesh while urine goes down through the tube. Design and finish are such that the animal has a maximum comfort. Maintenance is efficient and fast. Every unit comes with cage floor, food hopper, water bottle, urine collection system.

- Made from complete AISI S.S. 304 quality material
- Overall Dimensions along with stand: 535x390x825mm (LXWXH)
- Dimensions of cage body with funnel: 480X390X610mm
- Cage Stand is made from 20x20x15mm S.S. 304 square pipe
- Cage body and funnel is made from S.S 304 sheet of 0.8mm thickness
- Top grill is made from 2.5mm and 5mm S.S. 304 bar has gap of 25x60mm
- Door has dimensions of 330x280mm and is made from 2.5mm and 5mm S.S. 304 bar has gap of 25x45mm
- Floor grill is made from 2.5mm and 5mm S.S. 304 bar has gap of 11x80mm

ORDERING INFORMATION:

Product Name	Model	Accessories Supplied
Metabolic cage for large rodents (diuresis type)	DUC-02	<ul style="list-style-type: none">• Cage body with funnel• Floor grill, stand• water bottle• Bottle holder• Waster water collection tube• Food hopper• S.S separation plate• Urine collection bottle of 500ml



Orchid Scientific & Innovative India Pvt. Ltd.

📍 B-59, M.I.D.C., Ambad, Nashik - 422010, India.

☎ +91253-2387600, 2972525

✉ office@orchidscientific.com, exports@orchidscientific.com

🌐 www.orchidscientific.com



www.orchidscientific.com