

# Metabolic Cage for Rat

## FOR COLLECTION OF FAECES & 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-faeces 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 faeces. 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 faeces 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.



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 faecal 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 faecal specimen. Separate urine and faeces samples are collected in two separate tubes.



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

## 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 net 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.
- Faeces 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 RAT METABOLIC CAGES (MODEL 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 RAT (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 faeces 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 faeces leading to collection of faeces 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



## 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

