

- Unique materials and design to maximize the reliability of research outcomes
- Every component is designed to be interchangeable to provide the maximum flexibility
- Designed to be practical and easy to process



Introduction

Tecniplast metabolic cages provide a perfect separation of feces and urine through the special design of the funnel and of the separation cone.

The system is designed to minimize animal stress: the drawer-style design of the feeder allows easy filling and all parts below the cage floor are removable without disturbing the animals, including the feces and urine collection tubes.

A proper acclimatization period before running the experiment with metabolic cages can be performed with the Tecniplast raised bottom grid available for both IVCs and open cages.

1/Reliable Experiments Outcomes

- Unique design of the separation apparatus featuring low-adherence plastic materials: **perfect separation** and **collection of feces and urine**.
- Easy-remove feeder and collection tubes: feed filling and samples collection **without disturbing the test animals**.
- Optional electronic collection chiller (E-Chiller) and static collection chiller to **maintain urine at low temperature**.

2/Flexibility and Durability

- By changing few components the cage is **adaptable to house mice and rats** of different sizes/weights.
- Systems components are made of special techno polymers: **washable, autoclavable** and **extremely durable**.
- Several options for refrigerated urine collection are available:
 - E-Chiller.
 - Static collection chiller.
 - Rack for fractionated urine collection.

3/Space Saving and Great Visibility

- 12 cages in a small footprint **maximizing density**.



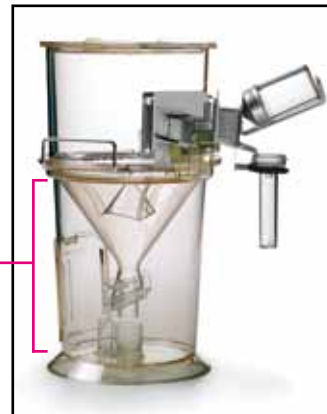
ANALYSIS

Metabolic & Diuresis Cages

Flexibility and Durability

2

Special design of the funnel and of the separation cone.



Metabolic cage for single mouse with single chamber feeder.



Metabolic cage for grouped mice with double chamber feeder.



Metabolic cage for rats under 150g and Metabolic cage for rats from 150g to 300g.



Metabolic cages for rats over 300g.



Vertical type rack for 12 cages



Refrigerated collection rack for 12 cages



Rack for 10 cages with collection chillers



E-Chiller and Static Collection Chiller



TECHNICAL SHEET

Cages:

- Metabolic cage for single mouse.
- Metabolic cage for grouped mice.
- Metabolic cage for rats under 150g.
- Metabolic cage for rats from 150g up to 300g.
- Metabolic cage for rats over 300g.

Racks:

- Vertical type rack for 12 cages (4W x 3H).
Dimensions (L x W x H) - mm / inch: 1240 x 480 x 1900 / 48.82 x 18.9 x 74.8
- 12 cage places rack for fractionated urine collection.
Dimensions (L x W x H) - mm / inch: 2150 x 800 x 1350 / 84.65 x 31.1 x 53.15
- Rack for 10 cages with E-Chillers (5W x 2H).
Dimensions (L x W x H) - mm / inch: 1510 x 480 x 1878 / 59.45 x 18.9 x 73.94
- Rack for 10 cages with collection chillers (5W x 2H).
Dimensions (L x W x H) - mm / inch: 1510 x 480 x 1761 / 59.45 x 18.9 x 69.33

Accessories:

E-Chiller
Dimensions (L x W x H) - mm / inch: 197 x 272 x 171 / 7.76 x 10.71 x 6.73

Collection Chiller
Dimensions (L x W x H) - mm / inch: 255 x 222 x 130 / 10.04 x 8.74 x 5.118

Single cage stand
Dimensions (L x W x H) - mm / inch: 310 x 310 x 340 / 12.2 x 12.2 x 13.39

Single cage stand with static chiller holder
Dimensions (L x W x H) - mm / inch: 300 x 312 x 450 / 11.81 x 12.28 x 17.72

Accessories

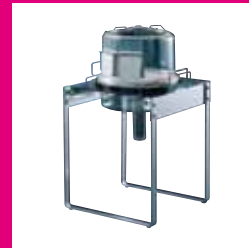
- E-Chiller.
- Static Collection chiller.
- Single cage stand.

Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



Metabolic Cage for Rabbits.
Compliant with ETS123 and UK directives.



Diuresis Cage for Rats.
Urine collection cage.



Conventional Cage.
Tecniplast offers a wide range of flexible, durable, autoclavable and ergonomic static cages.

ENVIRONMENTAL SUSTAINABILITY: MINIMIZE IMPACT MAXIMIZING VALUE

What Tecniplast did to become leader in sustainability:

Company:

- Quality Management System Certification according to ISO 9001 and Environmental Management System Certification according to ISO 14001.
- Certified Environmental Report according to Eni Foundation Enrico Mattei Guidelines.

Products:

- Life Cycle Assessment (LCA) according to ISO 14040 and ISO 14044.
- Carbon Footprint according to PAS 2050.
- Environmental Data Sheet according to ISO 14025.
- Contribution to credits under the LEED rating system.



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