SCANTAINER EC4RATS

VENTILATED CABINET FOR HOUSING OF RATS IN ENRICHED CAGES

SCANBUR

Improving Life Sciences

A 9-CAGE RAT HOUSING SYSTEM, ERGONOMICALLY ENGINEERED WITH A STRONG FOCUS ON ENRICHMENT - ENSURING OPTIMUM ANIMAL WELFARE AND REPRODUCIBILITY OF RESEARCH OUTCOMES.

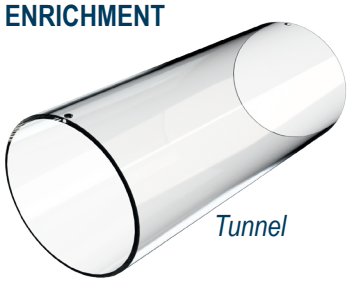
- Ideal for rat group housing, post-op rats, breeding, behavioral studies
- Encourages social interaction and natural behaviors
- Easy mounting of enrichment in the cage top:
  Rat Cave, Tunnel, Chew Blocks, Hammock, Ladder
- Interconnectable cages
- Integrated resting shelves
- Suitable for washing in a rack washer
- Use as a stand-alone or connect to ScanClime® for ventilation and accurately controlled relative humidity and pressure (positive/ negative)

ANIMAL WELFARE

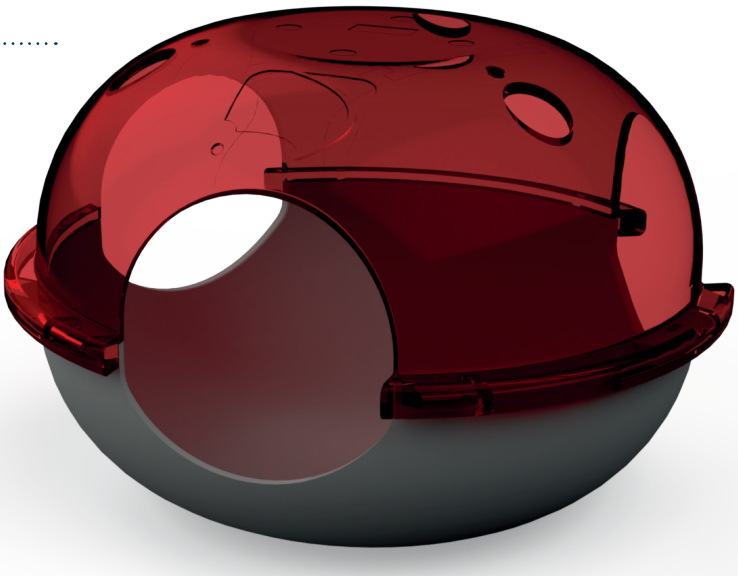
Total floor area available (cage bottom + resting shelf): 2400 cm^2. With a cage floor area of 1600 cm^2 per cage and a resting shelf of 800 cm^2 available in every cage, this cabinet offers the rats available floor space in abundance, allows for extensive activity and the possibility to practice natural behavior such as stretching, climbing, standing on hind legs, burrowing and hiding.[1) 2)] Cages on the same tier are easily interlinked to encourage social interaction. A cage headroom of 38.3 cm allows for easy mounting of enrichment in the cage top. Headroom from cage bottom to resting shelf >18 cm, and from resting shelf to cage top >18 cm. Each cage can be equipped with different types of enrichment.

[1)] (Makowska I. Joanna og Weary Daniel M. (2016) "The importance of burrowing, climbing and standing upright for laboratory rats", Royal Society Open Science, 3; 1-12). [2)] Vachon, Pascal (2014) "Double Decker Enrichment cages have no effect on long-term nociception in neuropathic rats but increase exploration while decreasing anxiety-like behaviors, Scandinavian Journal of Laboratory Animal Science, 40; 1-6).

CAGE ENRICHMENT



Tunnel



Rat Cave

Hammock

Ladder

Chew Blocks

REPRODUCIBILITY OF RESEARCH OUTCOMES

Use as a stand-alone or connect to ScanClime® for ventilation and accurately controlled air humidification and pressure (positive/ negative), i.e. optimum animal health and reproducibility of research outcomes.

ERGONOMICALLY ENGINEERED

With a lightweight cage bottom of just 1.1 kg and a compact width of 40.3 cm, the design ensures easy and ergonomically correct access to the rats, reducing strain and improving handling comfort.

ALLERGY CONTROL

Equipped with EPA E11 filters, the cabinet efficiently protects animal technicians and animals from contamination, allergens, pathogens, and dust. Optimal protection is achieved when used together with ScanFlow laminar air flow cabins during procedures and cage changes and when proper standard operating procedures (SOPs) are implemented.

Design protected and patent pending.

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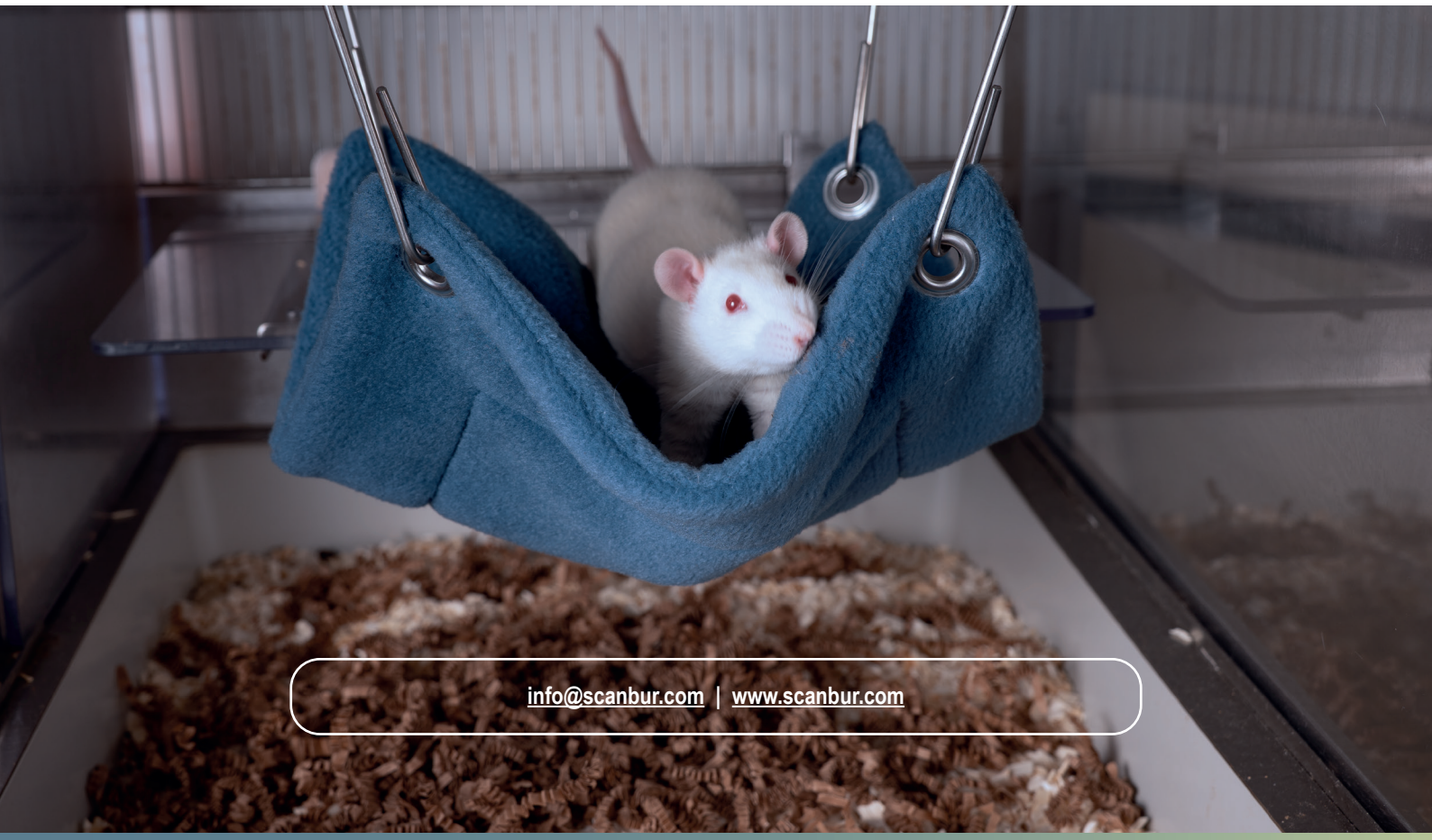
For decades, SCANBUR has been developing customized solutions with a clear focus: achieving the best for research animals, animal caretakers, and researchers, while minimizing our environmental footprint - our core drivers in pursuing innovative solutions.

In cooperation with H. Lundbeck, SCANBUR has developed the Scantainer EC4Rats to provide five-star accommodation for rats in their upcoming state-of-the-art animal facility. In addition to being an enriched rat housing environment, Scantainer EC4Rats is based on SCANBUR's innovative cabinet concept, which offers a high level of protection against allergens and pathogens for personnel and animals.

Henriette Hansen, Head of Animal Department at H. Lundbeck, states: *"We are thrilled with the result! The rats are active, curious and happy, they eagerly explore all of the various enrichment, which is quickly fitted in the cage top. The built-in resting shelf has also proven popular as a retreat or as a place to sleep. The rats enjoy having interconnectable cages allowing a larger floor area to explore. Both our researchers and animal caretakers express satisfaction with the system, the ease of daily work, the cages are lighter and more ergonomic than what they have worked with earlier. Our priorities were animal and staff welfare, and I must say, we have certainly ticked those boxes."*



info@scanbur.com | www.scanbur.com

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