

SCANTAINER EC4RATS

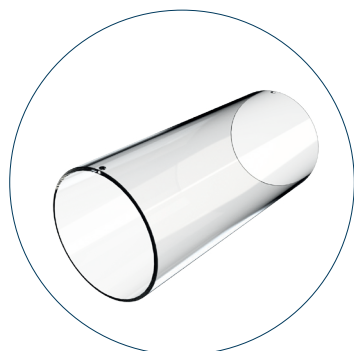
VENTILATED CABINET FOR HOUSING OF RATS IN ENRICHED CAGES



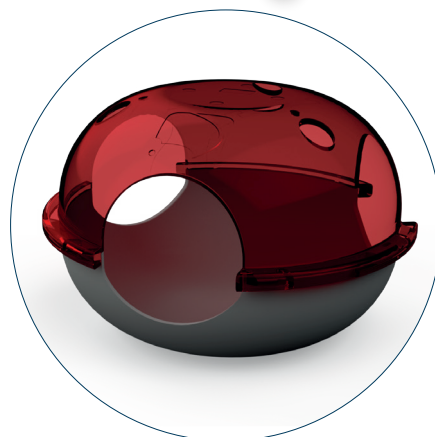
A 9-CAGE RAT HOUSING SYSTEM, ERGONOMICALLY DESIGNED WITH FOCUS ON ENRICHMENT, RESULTING IN OPTIMUM ANIMAL WELFARE AND REPRODUCIBILITY OF RESEARCH.

- Ideal for rat group housing, post-op rats, breeding, behavioral studies
- Encourage social interaction and natural behavior
- Easy mounting of enrichment in the cage top
- Enrichment item examples: Rat Tunnel, Rat Cave, Rat Chew Blocks
- Interconnectable cages and resting shelves
- Designed for washing in rack washer
- Use as stand-alone or connect to [ScanClime®](#) for ventilation and accurately controlled air humidification and pressure (positive/negative)

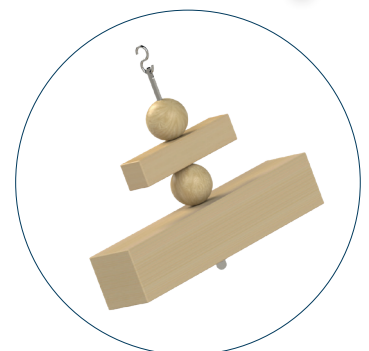
Design protected and patent pending.



Rat Tunnel



Rat Cave



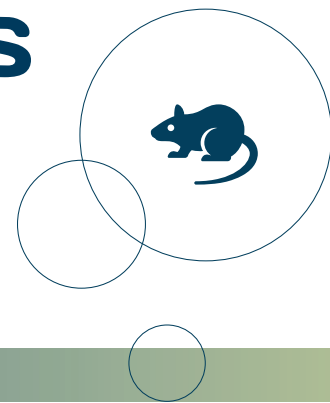
Rat Chew Blocks

ANIMAL WELFARE | ERGONOMIC DESIGN | GUIDELINES COMPLIANCE HOUSING OF RODENTS ETS-123 APP A



SCANTAINER EC4RATS

VENTILATED CABINET FOR HOUSING OF RATS IN ENRICHED CAGES



ANIMAL WELFARE

Total floor area available (cage bottom + resting shelf): 2400 cm². With a cage floor area of 1600 cm² per cage and a resting shelf of 800 cm² 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 interconnected to encourage social interaction.

A cage headroom of 38.3 cm allows for easy mounting of extra 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 behaviours, *Scandinavian Journal of Laboratory Animal Science*, 40; 1-6)

For decades SCANBUR has been developing customized products with the aim of achieving the best for research animals, animal caretakers and researchers while also minimizing our environmental footprint; our cornerstone drivers when seeking new solutions.

In cooperation with H. Lundbeck, SCANBUR has developed the ScantainerEC4Rats 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, ScantainerEC4Rats 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, an 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."

For more information about SCANBUR products, visit www.scanbur.com

RESEARCH REPRODUCIBILITY

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

ERGONOMICS

The cage bottom weighs only 1.1 kg, and with a cage width of merely 40.3 cm it facilitates easy and ergonomically correct access to the rats.

ALLERGY CONTROL

Equipped with EPA E11 filters, this cabinet efficiently protects animal technicians and animals from contamination, unwanted exposure to pathogens, allergens, dust. This protection is optimal when the cabinet is used with ScanFlow laminar air flow cabinets for procedures and cage change, and the right standard operating procedures.

CAPACITY

Rats (301-400 g): 4 per cage, 12 per row, total 36 rats or
Rats (401-600 g): 3 per cage, 9 per row, total 27 rats

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