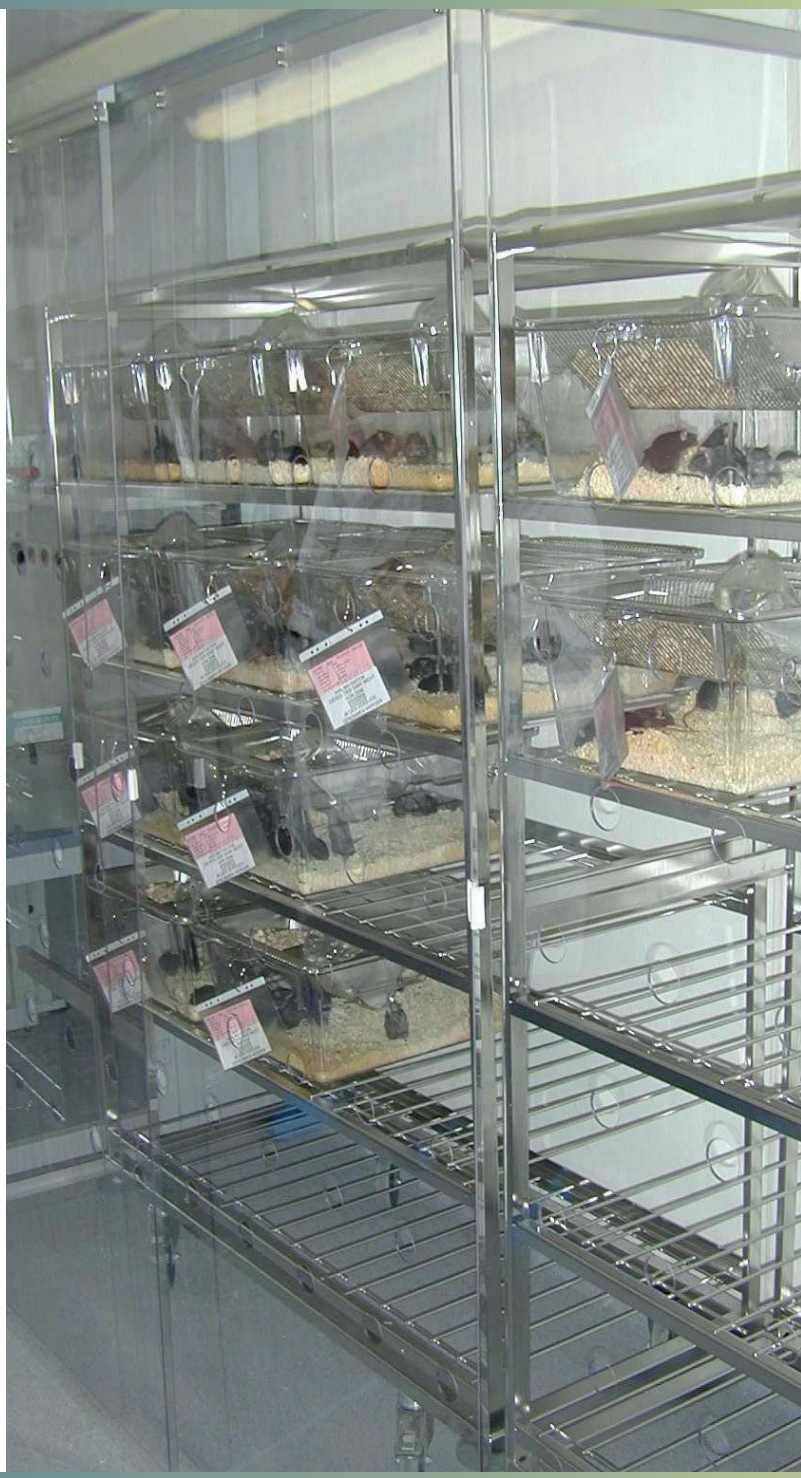
ALLERGEN CURTAINS

SLIDING CURTAIN SYSTEM FOR ALLERGEN CONTROL - DESIGNED TO PREVENT ANIMAL DEPARTMENT PERSONNEL FROM EXPOSURE TO ALLERGENS FROM LAB ANIMALS HOUSED IN OPEN CAGES.

Allergen measurements document that these curtains keep allergens from spreading outside the curtains, please refer to table on the back for further information.

The curtains are customised to the room and the ventilation system in question. The design is based on room ventilation where inlet air is placed in the middle of the room and exhaust air is placed behind the curtains. The sides of each curtain section are angled to ensure 'a close fit' between each curtain and when they are closed, they overlap each other. The curtains run in ball bearings which makes them easy to slide. They are dismountable and rack washer safe.

In co-peration with well-known laboratory animal facilities, we have measured the vertical temperature gradient behind the curtains. Based on these results, the size of the curtains and the number of perforations in the curtains has been determined in order to make sure that the gradient does not exceed 1.5°.



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ALLERGEN MEASUREMENTS IN FRONT OF AND BEHIND SLIDING CURTAINS

Table 1. Measured allergen levels in front of and behind curtains

	Day		Night	
	Mean Mus m1 (ng/m³)	Range (ng/m³)	Mean Mus m1 (ng/m³)	Range (ng/m³)
Behind curtain, at roof	0.57	<0.2–1.48	1.22	0.34–3.33
Behind curtain, at floor	0.89	0–3.07	0.3	<0.2–0.96
In front of curtain, at roof	Not detectable		Not detectable	
In front of curtain, at floor	Not detectable		Not detectable	

n = 8 for all test conditions.
There was a significant ($P < 0.001$) difference between the amounts of allergens in front of the curtains compared with behind them.
The minimum detection level for the Mus m1 ELISA was 0.2 ng/m³.

Source: Thomas C. Krohn, Gabi Itter, Richard Fosse and Axel K. Hansen. Journal of the American Association for Laboratory Animals Science, Vol. 45, No. 3, May 2006, page 52.

MATERIALS
Curtain sections: Polycarbonate.
Ball bearings: Anodised aluminium.

CAPACITY
Project-oriented.

DIMENSIONS (approx.)
Two standard widths: 700 and 950 mm, respectively.
Height: 2050 mm.
Perforation for air penetration.

OPTION
Should a ceiling be higher than normal, ceiling cover plates are available.

WASHING/CLEANING
Some detergents/disinfectants may damage the Polycarbonate. Please consult your supplier on this matter, before cleaning/disinfecting your curtains.

For more information about **SCANBUR** products and to contact your local product specialists, visit **www.scanbur.com**

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