

Social box

for assessing social interaction in rodents



PRODUCT OVERVIEW

The social interaction test by pairs provides a popular and standard paradigm to study general social behavior.

This test allows the experimental subject to freely explore an unfamiliar congener in its home cage or in a neutral environment. Social exploration is measured by the time spent by the experimental subject around the congener as well as the amount and duration of behaviors that compose social interaction (e.g. sniffing, following, grooming, biting, mounting, wrestling, etc). Social avoidance behavior is used in a wide variety of models, for instance for assessing neophobia anxiety and depression-like behaviors.

Our social box provides an ideal experimental environment to conduct social interaction tasks. The box is divided in three interconnected compartments. Sliding doors are available for confining the animal in one specific compartment during the test. Two grid enclosures containing "stranger" animals can be placed in the box allowing a close interaction with the animal tested (as well as protection in case one of them manifests strong aggressive behavior).

Two models are available, one for rats and one for mice.

Key Features

- *Removable compartment dividers allow using the box for many behavioral paradigms*
- *Compatible with experiments on tethered animals*
- *Material does not retain odors*
- *Manual sliding doors*
- *Optimized for video-tracking systems with non-reflecting material*

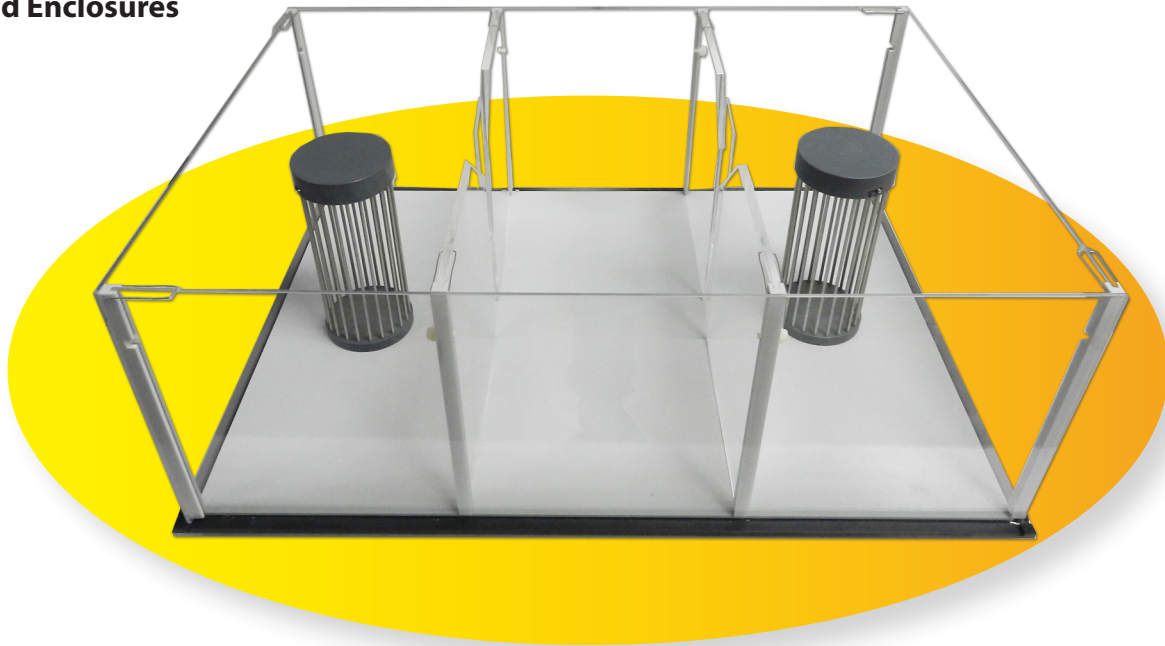
APPLICATIONS

Drug Screening, Phenotyping, Autism, Schizophrenia, Neophobia, Anxiety, Depression





**LE894T Box
with 2 x LE894A
Grid Enclosures**



SPECIFICATIONS

Material	Light Grey Methacrylate floor, transparent walls
Box Dimension, Mouse	60 x 42 x 22 (H) cm (24 x 16.5 x 8.7 in)
Box Dimension, Rat	120 x 80 x 40 (H) cm (48 x 31.5 x 15.8 in)
Compartment Dimension, Mouse	20 x 42 x 22 (H) cm (8 x 16.5 x 8.7 in)
Compartment Dimension, Rat	40 x 42 x 40 (H) cm (15.8 x 16.5 x 15.8 in)
Grid Enclosure, Mouse	Dimensions: 8 (D), 18 (H) cm; Grey Stainless steel grid (3 mm diameter, 7.4 mm spaced); PVC top/bottom.
Grid Enclosure, Rat	Dimensions: 20 (D), 40 (H) cm; Grey Stainless steel grid (3 mm diameter, 11 mm spaced); PVC top/bottom.

ORDERING INFORMATION

SOCIAL BOX

LE894T	76-1157	3-Compartments Social Test Box for Mice (Tethered Compatible)
LE894A	76-0674	Grid Enclosure for Social Test in Mice (includes 1 grid enclosure - 2 of them may be needed for the experiment)
LE875T	76-1176	3-Compartments Social Test Box for Rat (Tethered Compatible)
LE875A	76-0949	Grid Enclosure for Social Test in Rat (includes 1 grid enclosure - 2 of them may be needed for the experiment)

VIDEO-TRACKING OPTION

SMART V3.0	SMART V3.0 video-tracking for the automated evaluation of behavior (see SMART V3.0 leaflet for detailed ordering information)
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