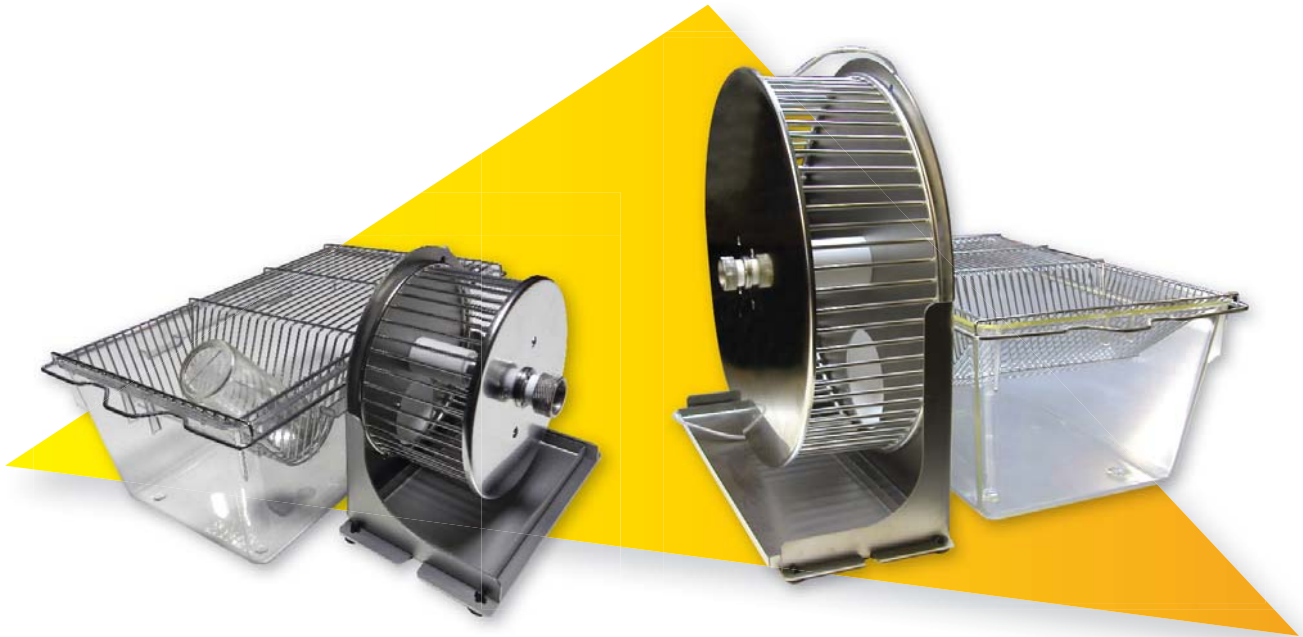


Rodent Activity Wheel

Easy way to quantify rodent voluntary exercise in their home cage environment



PRODUCT OVERVIEW

The rodent Activity Wheel represents a very simple and clever way to register animal physical activity in its home cage environment.

The use of this high throughput tool is particularly relevant for research involving circadian rhythms, phenotyping and drug testing.

Basically the animals are housed individually in the home cages equipped with the running wheel. The total number of wheel rotation made by the animal is displayed on the external LE907 individual counter or LE3806 multicomputer devices.

All the components of the wheel assembly (wheel, wheel hub and support) are made of stainless steel and are used with standard ACE (Allentown Caging Equipment) polycarbonate rodent cages provided with its wire lid. The wheel is mounted outside the home cage to preserve animal life space.

All non-electrical cage components are autoclavable.

New The new SeDaCom 2.0 version provides an easy and convenient way to visualize and export the data on a computer for further analysis.

Key Features

- Home cage voluntary exercise registering
- Preserve animal life space
- Stainless steel wheel construction
- For rat, mice and hamsters
- Ideal for high throughput experiments
- **New** optional Data Transfer software SEDACOM 2.0 (RS232/USB communication)

Specs.	Ø Wheel	Lane Width	ACE* Cage Size
LE904	36 cm	10 cm	42 x 26 x 19(h)
LE906	16 cm	6 cm	36 x 20 x 14(h)

* Other brands available under request

APPLICATIONS

ACTIVITY - Circadian rhythms, exercise
 COGNITION - Environmental enrichment
 DISEASE MODELS - Huntington, Attention-deficit hyperactivity disorder, Addiction, Anorexia...



Rodent Activity Wheel



ROTATION COUNTERS

Individual counter

The individual double counter LE902CC counts the number of partial and complete Left and Right turns depending of the adjustments made on the rotation sensors.



Multicounter with SeDaCom software

The Multicounter LE3806 registers simultaneous counting from up to 30 different activity wheels. This unit is programmable, allowing the user to set the experiment duration and time of intervals of measurement.

LE3806 multicounter allows storing the data in user-defined time intervals and exports them to the SEDACOM 2.0 PC interface through RS 232 serial port (option to be purchased separately).



NEW SEDACOM version 2.0!

A very easy, convenient and cost-saving Data Transfer Software! The SeDaCom 2.0 version provides an ideal environment for visualizing the registered data on a computer and exporting them in a format that simplifies any further post-analysis processes.



Sample time	Project	Expe	Challenge	Dose	Remarks	Date	Time	Counts/Turn	Data received	Exp.	Device	Latency	Intervals	Interval time	Exp.	1	2	3
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	1,75	1,75	1,00
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	0,00	0,00	2,00
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	0,00	0,25	1,00
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	0,00	0,50	0,75
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	0,00	0,25	0,25
	PROJ01X	EC	DRUG A	1mg/kg	Day 1	24/02/2	9:41:46	4	24/02/2012	1	09/06/04	10	6	600	3600	0,00	0,00	0,25

- Keep an eye on your experiment by using our constantly updated runtime panels
- Save time in the post-analysis process with our new convenient tabular presentation of the data
- Additional fields are provided for improving the traceability of the data (subjects, groups, specific information)
- New direct exportation to Excel format (txt and html formats exportation also available)
- Bring your software and data everywhere with our new USB-flash key packaging

ORDERING INFORMATION

ACTIVITY WHEEL CAGE

LE904	76-0412	Activity Wheel with cage for Rat
LE905	76-0413	Activity Wheel with cage for Mouse

INDIVIDUAL WHEEL COUNTING

LE907	76-0414	Single Wheel Counter (1 by wheel)
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MULTIPLE WHEELS COUNTING

LE3806	76-0243	Multicounter (for up to 30 wheels), RS232 serial port, (SEDACOM 2.0 software to be ordered separately)
SEDACOM V2.0	76-0406	SEDACOM V2.0 software for data transfer to a computer
CONRS232USB	76-0608	RS232/USB converter option for the LE3806 multicounter