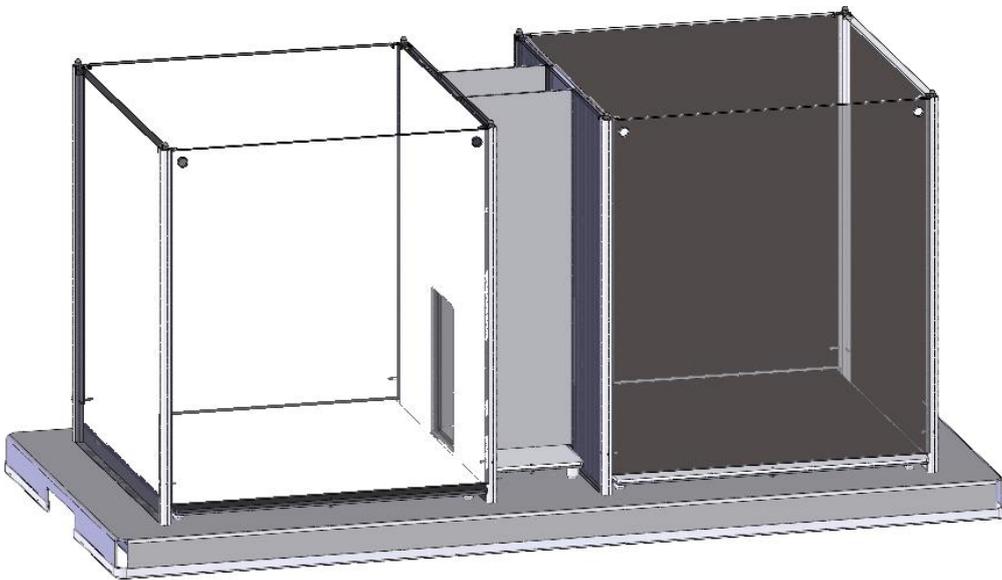


Hardware User's Manual

Place preference box – Black and white



References:

LE890 (76-0216), LE891 (76-0217)

Publication:

PB-MF-MAN-060-REV1.0

Limitation of Liability

PANLAB does not accept responsibility, under any circumstances, for any harm or damage caused directly or indirectly by the incorrect interpretation of what is expressed in the pages of this manual.

Some symbols may have more than one interpretation by professionals unaccustomed to their usage.

PANLAB reserves the right to modify, in part or in total, the contents of this document without notice.

1. SYMBOLS TABLE

Recognising the symbols used in the manual will help to understand their meaning:

DESCRIPTION	SYMBOL
Warning about operations that must not be done because they can damage the equipment	
Warning about operations that must be done, otherwise the user can be exposed to a hazard.	
Decontamination of equipments prior to disposal at the end of their operative life	

2. GOOD LABORATORY PRACTICE

Check all units periodically and after periods of storage to ensure they are still fit for purpose. Investigate all failures which may indicate a need for service or repair.

Good laboratory practice recommends that the unit be periodically serviced to ensure the unit is suitable for purpose. You must follow preventive maintenance instructions. In case equipment has to be serviced you can arrange this through your distributor. Prior to Inspection, Servicing, Repair or Return of Laboratory Equipment the unit must be cleaned and decontaminated.



Decontamination prior to equipment disposal

In use this product may have been in contact with bio hazardous materials and might therefore carry infectious material. Before disposal the unit and accessories should all be thoroughly decontaminated according to your local environmental safety laws.

3. UNPACKING AND EQUIPMENT INSTALLATION



WARNING: Failure to follow the instructions in this section may cause equipment faults or injury to the user.

- A. Due to the weight of the cage and its dimensions it should be moved between two persons in order to avoid possible damage when moving it.
- B. Inspect the instrument for any signs of damage caused during transit. If any damage is discovered, do not use the instrument and report the problem to your supplier.
- C. Ensure all transport locks are removed before use. The original packing has been especially designed to protect the instrument during transportation. It is therefore recommended to keep the original carton with its foam parts and accessories box for re-use in case of future shipments. Warranty claims are void if improper packing results in damage during transport.
- D. Place the equipment on a flat surface and leave at least 10 cm of free space between the rear panel of the device and the wall. Never place the equipment in zones with vibration or direct sunlight.

The manufacturer accepts no responsibility for improper use of the equipment or the consequences of use other than that for which it has been designed.

PC Control

Some of these instruments are designed to be controlled from a PC. To preserve the integrity of the equipment it is essential that the attached PC itself conforms to basic safety and EMC standards and is set up in accordance with the manufacturers' instructions. If in doubt consult the information that came with your PC. In common with all computer operation the following safety precautions are advised.



- WARNING**
- To reduce the chance of eye strain, set up the PC display with the correct viewing position, free from glare and with appropriate brightness and contrast settings
 - To reduce the chance of physical strain, set up the PC display, keyboard and mouse with correct ergonomic positioning, according to your local safety guidelines.

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5. INTRODUCTION

Panlab's Standard Place Preference box is a standard experimental chamber used to evaluate rodents' preference of a conditioned place. This is a test commonly used to detect medicine reinforcement properties (or a natural stimulus). It is also used to research the brain neurobiology involved in a reward and in addiction cases.

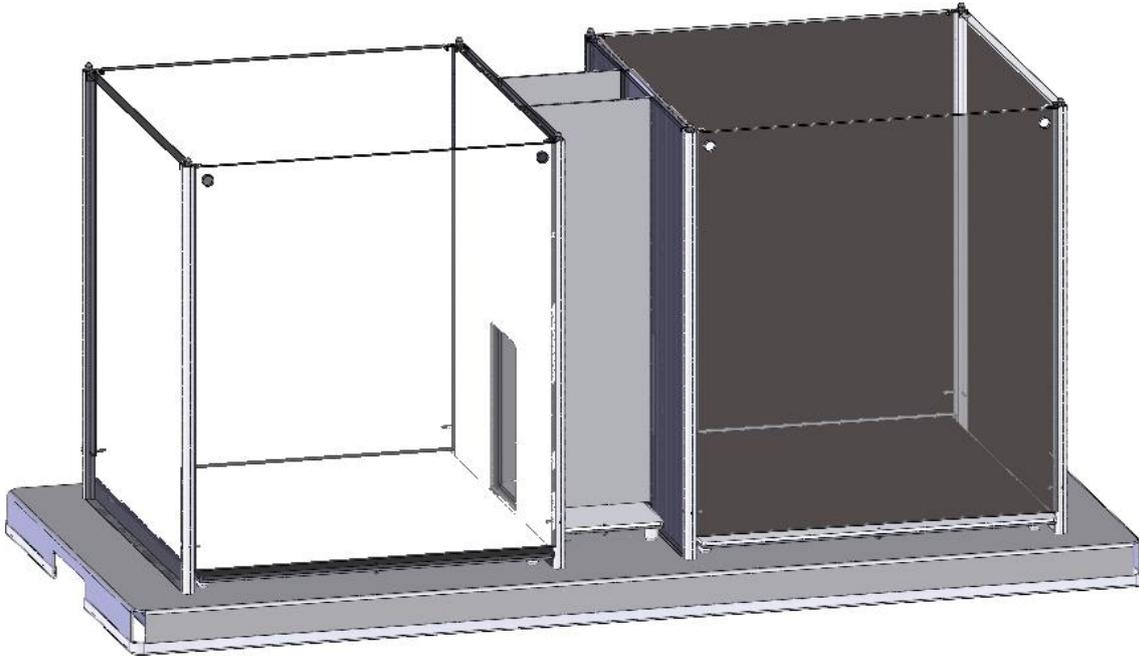


Figure 1. Standard Place Preference.

- It features three Perspex compartments: two side compartments, one black and the other white, and a central grey compartment with connection doors (featuring manually-activated sliding doors).
- Smooth and rough floors are supplied for the white and black compartments.
- Front panels are transparent but removable opaque lids are also supplied.

Experimentation cages are shipped without an automatic animal position detection system. Animal position is detected by means of a video camera positioned over the cage. Cages without automatic position detection are controlled with **Smart** software.

6. CAGE ASSEMBLY

6.1. ASSEMBLING THE FLOORS

The floors of the left and right areas (White and Black) can be smooth or rough, simply turning the base which makes the function of floor.

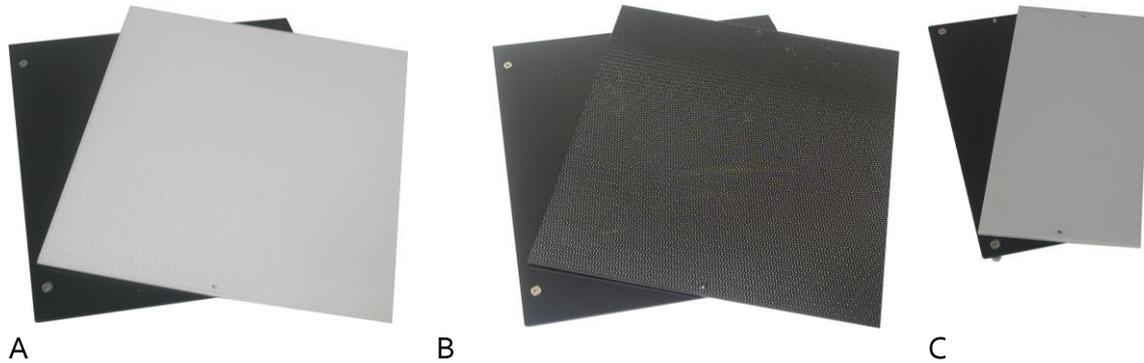


Figure 2. Floors and platforms of white, black and grey compartments.

To fit the platforms and floors you must fit the hole in the floor with the platform pivot.

6.2. PLACING FLOORS IN THE CAGE

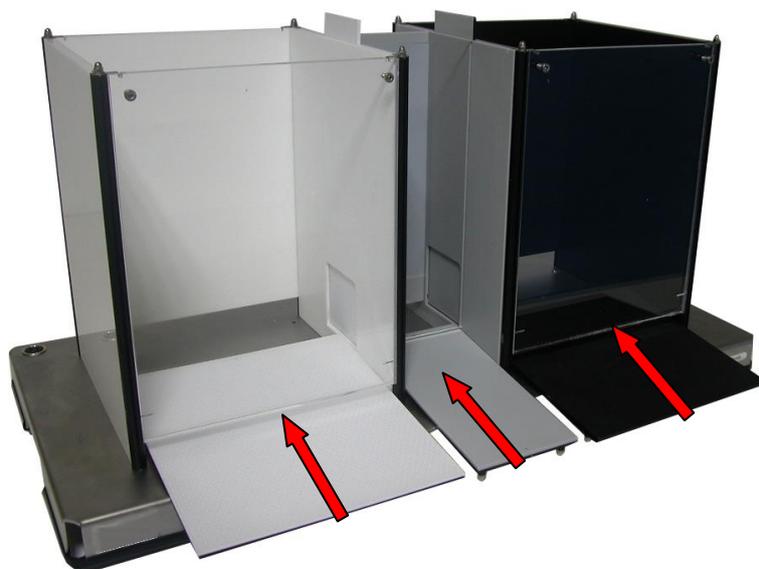


Figure 3. Placing the floors in the cage.

From the front side of the cage insert the set, the floor and platform joined in point 6.1, and match the 4 legs of the set with the 4 holes we find inside the cage.

6.3. ASSEMBLING THE DOORS

Central compartment doors are inserted through the top of the cage and slid down helped by the existing guide. Mounting or not these doors can change the configuration of the cage.

6.4. ASSEMBLING FRONT COVERS

The black and white compartments, lateral ones, have a transparent fixed front cover. These front covers dispose in the top of two metal pegs for hanging its translucent smoked lid.

The central compartment cover slides in like the doors mentioned in point 6.3. The cover has to be inserted from the top of the cage and is lowered through the guide included in the compartment for this purpose. The cover can be transparent or translucent smoked. The rear panel of this compartment is grey opaque and again is inserted sliding through the guide from the top side.



Figure 4. Two examples of different configurations of front covers.

7. EQUIPMENT DESCRIPTION

7.1. EXPERIMENTATION CAGE

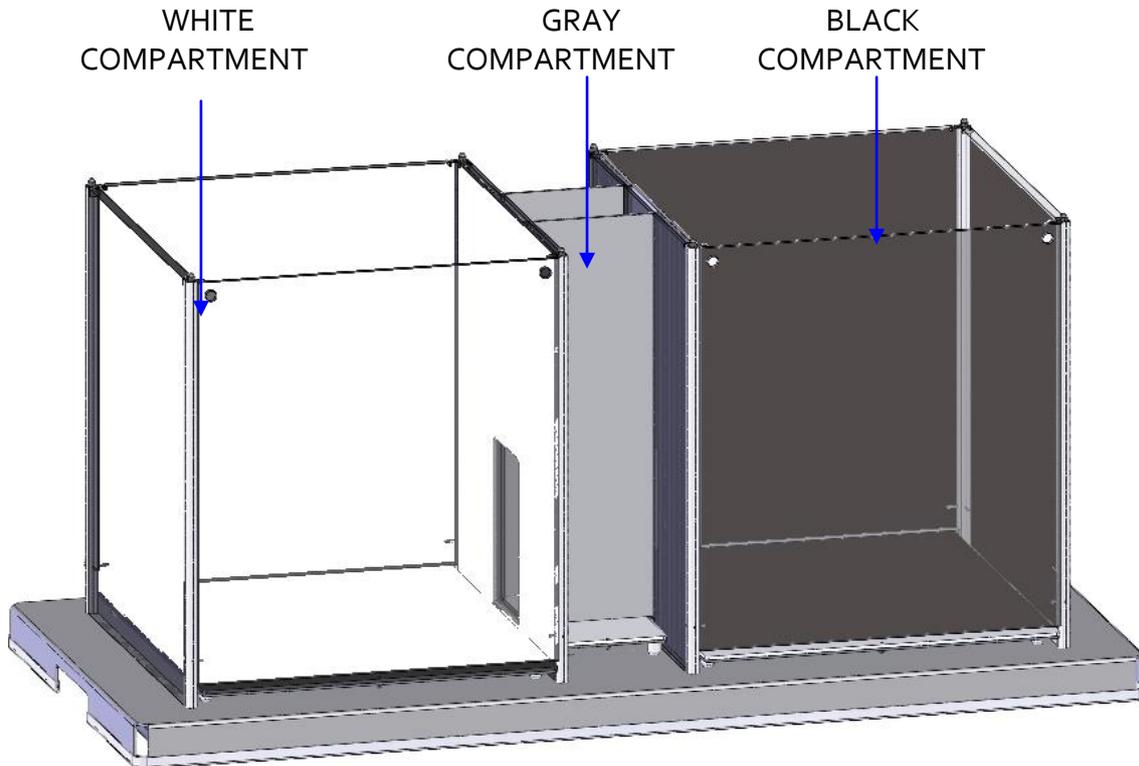


Figure 5. Experimentation cage front view.

The experimentation cage has three compartments. The two on the sides are larger than the middle one. The left compartment is white coloured and the right one is black. The central compartment is grey, and smaller in size than the other two. It features two sliding doors to communicate with the side compartments. The front panels of all three compartments are transparent, but can be covered with an opaque cover.

The animal's position is detected by means of a video camera positioned over the experimentation cage.

8. WORKING WITH THE EQUIPMENT

8.1. CONDUCTING AN EXPERIMENT

Read carefully the instructions given of **Smart** program for conducting an experiment. Once the experiment has ended you should clean the equipment so that it is in good condition for the next experiment.

8.1. CLEANING THE FLOORS

To clean the floors you should use a slightly wet cloth and then dry them with a dry cloth. If they're too dirty you can wet the cloth with a soapy solution to clean them, then remove foam with a wet cloth and finally dry them with a dry cloth.

8.2. CLEANING THE DOORS

To clean the doors you should use a slightly wet cloth and then dry them with a dry cloth. If they're too dirty you can wet the cloth with a soapy solution to clean them, then remove foam with a wet cloth and finally dry them with a dry cloth.

8.3. CLEANING THE TRANSPARENT AND SMOKED COVERS

To clean the covers you should use a slightly wet cloth and then dry them with a dry cloth. If they're too dirty you can wet the cloth with a soapy solution to clean them, then remove the foam with a wet cloth and finally dry them with a dry cloth.



WARNING: For this accessories never use alcohol or alcohol derived products, otherwise stripes will appear in the transparent plastic.

9. PREVENTIVE MAINTENANCE

	EXPERIMENT
CLEANING THE FLOORS	<input checked="" type="checkbox"/>
CLEANING THE DOORS	<input checked="" type="checkbox"/>
CLEANING THE TRANSPARENT/ SMOKED COVERS	<input checked="" type="checkbox"/>

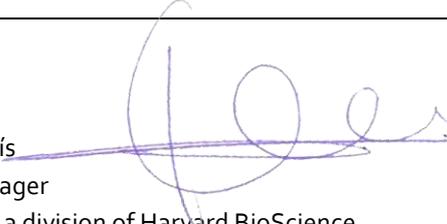
10. SPECIFICATIONS

DIMENSIONS (EXPERIMENTATION CAGE)

MODEL	ANIMAL	SIZE ¹ (Length*Width*Height)	WEIGHT (Kg)
LE890	Rat	406*848*411	21
LE891	Mouse	296*618*323	11

¹ Dimentions are expressed in millimetres.

**DECLARACIÓN DE CONFORMIDAD
DECLARATION OF CONFORMITY
DECLARATION DE CONFORMITÉ**

Nombre del fabricante: Manufacturer's name: Nom du fabricant:	Panlab s.l.u. www.panlab.com info@panlab.com
Dirección del fabricante: Manufacturer's address: Adresse du fabricant:	Energía, 112 08940 Cornellà de Llobregat Barcelona SPAIN
Declara bajo su responsabilidad que el producto: Declares under his responsibility that the product: Déclare sous sa responsabilité que le produit:	STANDARD PLACE PREFERENCE
Marca / Brand / Marque:	PANLAB
Modelo / Model / Modèle:	LE 890 – LE 891
Cumple los requisitos esenciales establecidos por la Unión Europea en las directivas siguientes: Fulfils the essential requirements established by The European Union in the following directives: Remplit les exigences essentielles établies pour l'Union Européenne selon les directives suivantes:	
2011/65/EU	Restricción de ciertas Sustancias Peligrosas en aparatos eléctricos y electrónicos (ROHS) / Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (ROHS) / Restriction de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques (ROHS)
	Analysis de riesgos / Risk assessment / Analyse des risques
Para su evaluación se han aplicado las normas armonizadas siguientes: For its evaluation, the following harmonized standards were applied: Pour son évaluation, nous avons appliqué les normes harmonisées suivantes:	
En consecuencia, este producto puede incorporar el marcado CE: Consequently, this product can incorporate the CE marking: En conséquence, ce produit peut incorporer le marquage CE:	
En representación del fabricante: Manufacturer's representative: En représentation du fabricant:	 Carme Canalís General Manager Panlab s.l.u., a division of Harvard BioScience
Cornellà de Llobregat, Spain 26/06/2014	