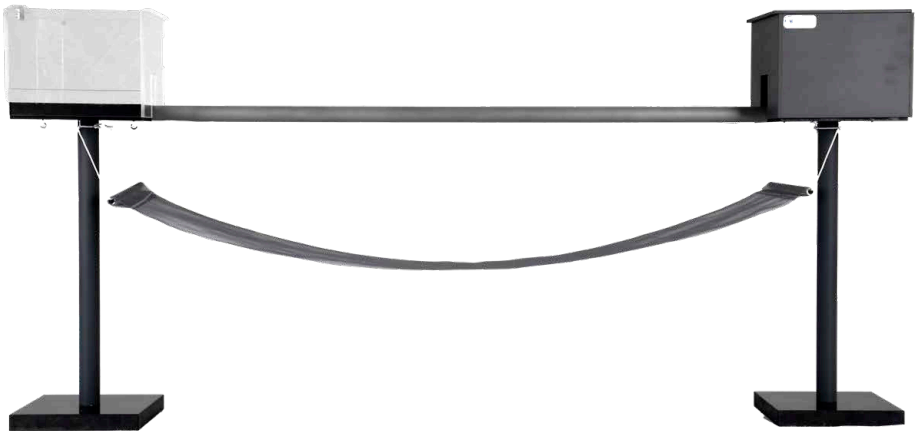


# Balance beam walking test for mice

## Assembling Guide

**SKU-48303** - Rev. 1.0 - October 2025



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## SAFETY CONSIDERATIONS

*Although this instrument has been designed with international safety standards, it contains information, cautions and warnings which must be followed to ensure safe operation and to retain the instrument in safe conditions.*

*Service and adjustments should be carried out by qualified personnel, authorized by Ugo Basile organization.*

*Any adjustment, maintenance and repair of the powered instrument should be avoided as much as possible and, when inevitable, should be carried out by a skilled person who is aware of the hazard involved.*

*Capacitors inside the instrument may still be charged even if the instrument has been disconnected from its source of supply.*

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# 1. Product features and general information

This apparatus is the set-up for the classic balance beam walking test experiment and represent the hardware to manually perform the test, scoring result visually.

The beam walk test is a popular test for analysing mice's gait in an environment that challenges their ability to balance themselves, and it is used to assess the impact of various factors on the mice's movement.

This set-up gives You the ability to perform the test using 3 different poles diameter: 6, 12 and 25 mm that can be easily changed.

## 2. What's in the box

### **Main components:**

2 Pole base platforms (squared black)

2 Dark stand column

2 Upper platform for the starting and destination house (squared black)

1 Starting transparent house

1 Destination gray house

1 Safety net

1 Walking pole 6 mm diameter

1 Walking pole 12mm diameter

1 Walking pole 25 mm diameter

## 3. Mounting

### 3.1. Intended Use

The Balance beam walking set-up device is intended for

**Investigation use on laboratory animal only.**

**DO NOT USE ON HUMANS.**

### 3.2. Additional Safety Consideration

1. Use original accessories and spare parts only.
2. Do not operate in hazardous environment or outside prescribed environmental limitation.

**Ugo Basile cannot in any way and form be held responsible for damage caused to things and people and warranty will be void, due to:**

- Incorrect installation procedure.
- Incorrect or improper use or, in any case, not in accordance with the purpose for which the instrument has been designed and the warnings stated in the instruction manual supplied with the instrument.
- Replacement of original component, accessories or parts with others not made by Ugo Basile.
- Servicing carried out by unauthorized personnel.

### 3.3 Placing maze components

1. Mount the stand column onto one of the two black base platforms by inserting it into the central hole. Turn and push until you reach the end of the hole in the platform; repeat for the second one.



2. Mount the upper black platform on top of both of the columns that have just been mounted. Insert them until they reach the end of the holes. Rotate the upper platform to align the desired hole diameter with the centre of the setup; this allows you to use the pole diameter of your choice.
3. Mount the walking pole by inserting it into the two holes in the upper platform to connect the two ends and create the walking path.
4. Place the gray house on one of the two upper platform (typically on the right one looking front) just placing it on the upper platform top.
5. Place the transparent house on top of the other upper platform.
6. Attach the safety net under the walking path using the provided ropes and hooks find underneath the two upper platform and eventually regulate the rope length to adjust the net distance from floor and walking path. The goal is to avoid animal injury in case of falling.

**Note:**

If you would prefer to avoid using the transparent starting house and place the animal directly on the walking pole, you can rotate the transparent starting house through 180° horizontally to prevent the animal from finding its way back. Rotating the transparent starting house through 180° creates an impassable wall, forcing the animal to walk on the pole.

## 4. Maintenance

### 4.1. Cleaning

This set-up is made by different materials, which are:

Base and upper platforms, columns and destination house are made using PVC (polyvinyl chloride)

**Allowed cleaning products are:**

Water, Ethanol 99, Isopropyl alcohol 99, Hydrogen peroxide 30%.

*In any case do not leave the cleaning product long that 10 min on the part.*

**Not allowed products:**

Acetone, solvent in general, ammonia.

Transparent house is made using Perspex material, which is a commercial name of PMMA (polymethyl methacrylate)

**Allowed cleaning products:**

Water, Ethanol 99, Isopropyl alcohol 99, Hydrogen peroxide 30%.

*In any case do not leave the cleaning product long that 10 min on the part.*

**Not allowed products:**

Acetone, solvent in general, ammonia.

The 3 walking poles are made using sanded Aluminium

**Allowed cleaning products:**

Water, Ethanol 99, Isopropyl alcohol 99, Hydrogen peroxide 30%, Acetone, solvent in general, ammonia.

*In any case do not leave the cleaning product long that 10 min on the part.*



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