

# Digital Stereotaxic Frame for rodents



U-shaped frame for rats and mice with digital display in 3 axes

**Product codes:**

Reference: BLAB-ST-8018

**Product description:**

The classic U-frame stereotaxic instrument is a standard in research laboratories in neuroanatomy, neurophysiology, neuropharmacology and neurosurgery.

Positioned around a U-shaped frame and using specific reference points on the surface of the skull, it applies a three-dimensional coordinate system to isolate precise targets in the brain, allowing researchers to perform minimally invasive surgery, such as accurate injection, stimulation, or EEG signal recording.

The device is supplied with a manipulator connected to a digital box which allows the real-time display of the positioning in the 3 axes with an accuracy of 10 $\mu$ m. This box has a reset button that can be used at any time to avoid secondary readings and calculations. It is also battery powered to prevent the risk of electronic interference.

Different variations exist depending on your application and the species you are working on:

- 2 for rats depending on the ear bars desired: 18 ° (ref. BLAB-ST-8025) or 45 ° (ref. BLAB-ST-8027)
- 2 for mice: one with a classic jaw bar attached to the frame (ref. BLAB-ST-8045) and the other with a resin mouse / neonate rat adaptor ( ref. BLAB-ST-8018)

These 4 variations are available in single or double manipulator versions.

**Product features:**

Dimensions: 400x255 mm

Resolution: 10  $\mu$ m

**Available models**

Animal: Rat ear bars 18° (BLAB-ST-8025), Rat ear bars 45° (BLAB-ST-68027), Mouse with incisor bar and nose clip (BLAB-ST-8045), Mouse with adaptor/support (BLAB-ST-8018), Rat ear bars 18° (BLAB-ST-8026), Rat ear bars 45° (BLAB-ST-8028), Mouse with incisor bar and nose clip (BLAB-ST-8046), Mouse with adaptor/support (BLAB-ST-8019)

Manipulators: Single (BLAB-ST-8025), Single (BLAB-ST-68027), Single (BLAB-ST-8045), Single (BLAB-ST-8018), Dual (BLAB-ST-8026), Dual (BLAB-ST-8028), Dual (BLAB-ST-8046), Dual (BLAB-ST-8019)

