

## **Stereotaxic Instruments** *by Stoelting*

Cat. No. 51600

### **General**

The Lab Standard™ Stereotaxic Instrument, manufactured by Stoelting, is ideal for researchers in need of a versatile, reliable instrument for stereotaxic procedures with small animals.

Precision alignment when using the Lab Standard™ ensures accurate placement of electrodes, micropipettes, and other devices.

The time-proven 'U'-Frame design concept, sturdy construction, and adaptability to most model species make this the best choice for a stereotaxic instrument.



**SLEEK, COMPACT DESIGN**

**ACCESSORIES AVAILABLE FOR USE  
WITH A WIDE VARIETY OF SMALL  
ANIMALS**

### **Classic and Proven U-Frame Design**

- Large, easy to read vernier scales. Scales are laser engraved — accurate to 100 microns
- Triple lead screws for fast positioning 80 mm of vertical, lateral and anterior-posterior travel
- Absolute lock at 90 degrees (vertical) Brass bushings in manipulator arm permit electrical grounding

**Ugo Basile: more than 10,000 citations**

Stoelting's Lab Standard™ offers several advantages over competing instruments:

### Easily Read Scales

All scales are oriented to be read easily from the open end of the 'U'. This is the position from which most scientists prefer to work. The numerals on the scales are larger, and therefore more easily read. The scale lines are laser engraved, to allow finest possible permanent marking of scales on all 3 axes. Precise alignment with facing vernier scales gives accurate resolution to 0.1mm.

### Smooth Movements

The Lab Standard's™ exclusive, triple lead screws allow the fastest positioning possible, consistent with lining up the scales easily at a given coordinate.

### Versatility of Positioning

The manipulator arm controls medio-lateral and vertical positioning via lead screws, and antero-posterior movement via dovetail slide movement, with 80 mm of travel possible in each direction. A Universal Joint allows the investigator to change the angle of the probe up to 90° in either the antero-posterior or medio-lateral planes. The improved locking mechanism on the Lab Standard™ will hold any angle position without slippage. And of course, it also provides an absolute lock at 90° vertical.

In addition, a swing joint allows the investigator to conveniently swing the manipulator arm and probe out of the way for performing a procedure — then reliably return the probe to the same point.

### Convenient for Electrophysiology

Integral brass bushings in the manipulator arm allow grounding directly to the closest metal on the manipulator arm — even the probe holder.

### Selection of Accessories

Species adaptors are available to fit rat, cat/monkey, dog/monkey, mouse, guinea pig and small bird. Probe holders and species adaptors for 'U' frame stereotaxic instruments from other manufacturers are generally compatible with the Lab Standard™ frame.

### Ordering Information

- 51600** Lab Standard w/18 Degree Earbars
- 51650** Lab Standard w/45 Earbars
- 51653** Dual Lab Standard Stereotaxic w/45 deg. Ear Bars
- 51603** Dual Lab Standard Stereotaxic w/18 deg. Ear Bars
- 51601** Lab Standard without Manipulator Arms