

# Equipment



## **BASi Force-Plate Actimeters**

**Used in assays of:**

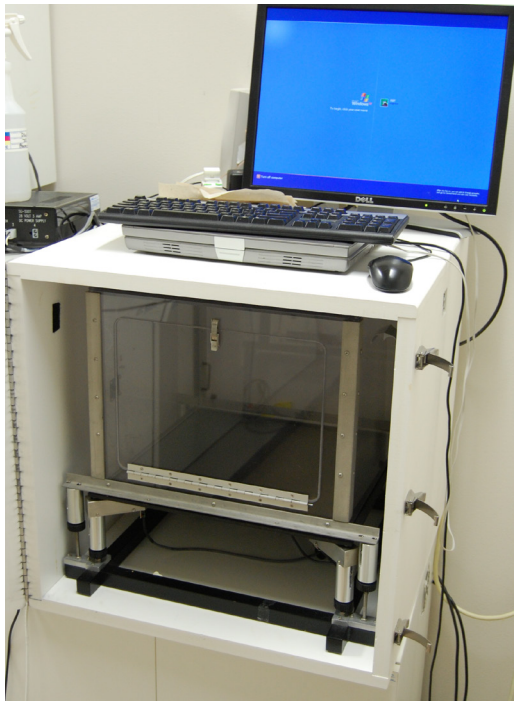
**Locomotor Activity**

**Stereotypy**

**Conditioned Startle**

**Tremor**

**Ataxia**



The RBF houses four actimeters (model # CX-9000) that can be used to measure a remarkably wide variety of locomotor behaviors. The force-plate actimeter uses a stiff, low-mass horizontal plate coupled to four supporting force transducers positioned at each corner of the plate. When the test subject moves on the plate, its movements are sensed by the transducers, whose signals are processed by a computer to detect and score a wide range of behaviors or behavioral attributes, including behavioral events occurring at user-defined frequencies or amplitudes. These include, but are not limited to, stereotypies, tremor, startle, or ataxia. It simultaneously records larger movements such as locomotion (with mm scale resolution) and fine movements (with frequency resolution up to 50 Hz).