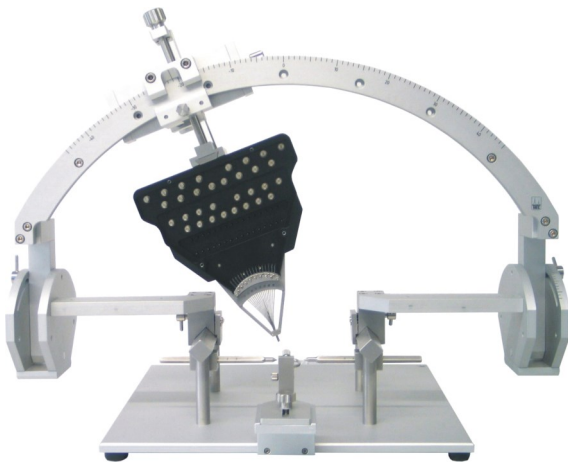


Thomas RECORDING GmbH

Thomas RECORDING offers a broad range of equipment for neurophysiological research, like microelectrodes, multi-electrode microdrives, amplifiers/filters, stereotaxic instruments, data acquisition systems, etc.

We have 30 years of experience in providing equipment for animal research labs or with the integration of components of our portfolio in existing research laboratories. Please do not hesitate to contact us if you have any questions!

info@ThomasRECORDING.com



Techniques for brain research



THOMAS RECORDING GmbH

Winchester Strasse 8
35394 Giessen
GERMANY

Telefon: ++49-641-94414-0
Fax: ++49-641-94414-14
E-Mail: info@ThomasRECORDING.com
Internet: www.ThomasRECORDING.com



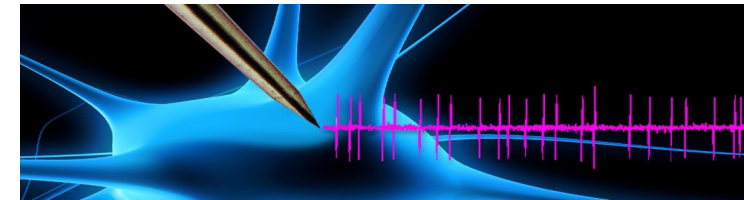
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Small Animal Research Equipment



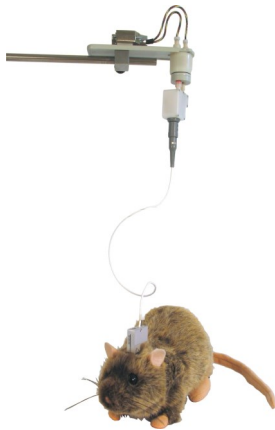
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WIRELESS SYSTEMS



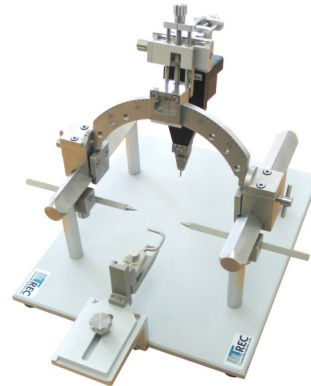
Wireless system for small animals with 4 recording and 1 stimulation channel. Complete system with electrodes, wireless system, battery, and control software.

Tethered Recording Systems are available for recording extracellular activity in freely moving small animals (e.g rats). The systems use a headmounted microdrive with integrated preamplifier to transmit data via cable to a main amplifier and acquisition system for collection.



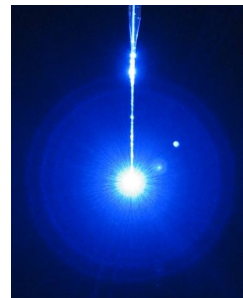
We offer implantable electrodes, tetrodes and heptodes for freely moving animals for recording and stimulation applications

SMALL ANIMAL STEREOTAXY



Small Animal Stereotaxic Instrument (SASI): Complete rat/mouse stereotaxic instrument with base plate, parallel rails, curved guided rail, head holder, xyz manipulator for microdrive mounting.

OPTOGENETIC EQUIPMENT



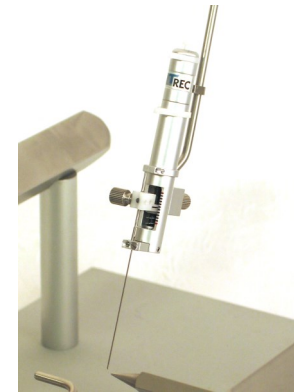
We offer a complete range of equipment for optogenetic experiments including optical fibers with different tip shapes, light sources, light source controllers, computer software, etc. We can adapt our optogenetic setup to all research applications.

MICROINJECTION SYSTEMS

We offer precise microinjection systems for drug injection. These systems avoid the drawbacks of many injection systems.



MICRODRIVES & ELECTRODES



The **Motorized Electrode Manipulator (MEM)** is available in a 10mm and 40mm electrode travel distance version. The system is small and lightweight and usually mounted directly on a stereotaxic system. It drives electrodes from all electrode manufacturers (e.g. U-Probe).

The **Mini Matrix** is available for up to 5 electrodes or tetrodes. The drive has an integrated preamplifier and can be mounted on all small animal stereotaxic instruments.



The **Eckhorn Matrix** is available in a 7, 16 motor version for up to 112 signal channels. This drive is mounted to a stereotaxic instrument. The max. electrode travel is 40mm.