



CARFIL QUALITY
YOUR SUPPLIER FOR ALL LABORATORY NEEDS

High Precision Stereotaxic Instrument/ MRI compatible Frames



This stereotaxic instrument, used on small animal is derived from the M medical device series and has been modified so as to ease the use of stereotaxis Atlas (De Groot, König & Klipel, Albe Fessard...). The modification allows to give a tilt for the reference plan. For a higher accessibility to the operating area, the device is equipped with a vertical axis for complete rotation. The system can accept up to middle size cats. Extended bars and forks can be added to operate on the spinal cord. The incisor bar can be moved to ease the use of non standard Atlas. The system is therefore raised to provide greater accessibility when placing the animal.

The micro-injector and micromanipulator can be motorized and remote controlled.

A connection with a serial link RS232/USB allows the system to be PC driven. All positioning data are available on the computer screen and can be displayed on the remote control too.

A memory card can store the user's program.

Micro-Injector and micro-manipulator are compatible with other manufacturers stereotaxic equipment.

Manual- or electronic (PC-controlled) manipulation of the X,Y and/or Z Axis and of the micro-injector.

Even with manual manipulation, the accuracy of 10 μ is possible for the position of the 3 axis.

Universal Micrometer

This stereotaxic instrument, with three motorized axles, anesthesia mask and moving up and down table is specially designed to work with mice and rats.

Frame dimensions

Center to center bars: 180mm

Length: 255mm (365mm with extended bars)

Section: 21,7mm²

Dual Manipulator System

This equipment is designed to be fixed, with an appropriate adaptor, on the head of the animal.

Each micro-manipulator allows independent positions of micro-sensors, cannula or other catheter, with a minimum distance of 1mm, in accordance with OX, OY axes.



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Injection Table

This table makes easy a lot of injections for sample of small rats or mice before softly anesthetized. The localization of injection is measured by the table.

The animal positioning and holding are optimized.

Three Axles Hinge

This three axles hinge is able to operate on OX, OY, OZ axis and angle of $\pm 45^\circ$.

Adjustable Table

This table allows immobilizing animal legs. It is possible to adjust the table for different animal sizes. The fastening of legs is easy and fast, without traumatism for the animal. The board is mounted on a hinge. So it's possible to adjust the table in any position, with a 25° angle.

Electronic (or manual) micro-injector with universal micrometer.

This MIM20 software with remote control allows separate control of motorized micro-injector and micro-manipulator. Programs are stored in the memory board.

Unity counter values are displayed on remote control so it is easy for operator to follow operation in progress.

Hamilton syringe flow:

1 μ l, 5 μ l, 10 μ l or 50 μ l with 1nl/s of minimum flow.

Micro-injector can be installed on the "3 axles hinge" to perform slanting injections.

Micro-injector can be delivered in two versions: manual or motorized.

Forks for spinal cord

Forks are installed on forks holder

The whole system allows moving on two axes (x, Y) and one rotation degree.

The forks immobilized rats and mice spinal column.

Installed on forks holder, this fork provides three axes moving X,Y, Z and one rotation degree.

Stereotaxic frames for pigs, sheep, rabbits, primates, cats and pigeons are also available.



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