



# NON-EVOKED PAIN & POSTURAL DEFICIT

# GAIT ANALYSIS



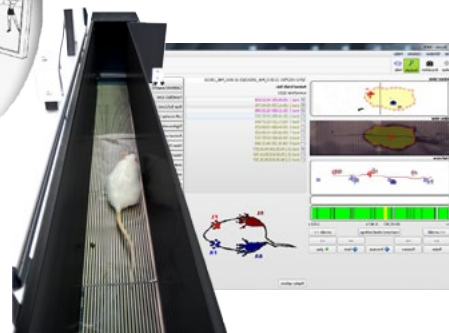
## Static Weight Bearing test

Measure the weight bearing force for rear paws and display both curves.



## Dynamic Weight Bearing test

Weight bearing force on each paw & other postural parameters on a freely moving rodent.



## KWB: Kinetic Weight Bearing test

Detect & record true individual weight bearing forces & all other gait analysis parameters.

# PAIN - MECHANICAL ALLODYNIA/HYPERALGESIA



## Video Electronic Von Frey

Stimulator with camera: easy targeting & video recording for test analysis.



## Von Frey Test Platform

Complete setup incl. frame and 2 cages, to be used with VF filaments or Electronic VF.



## Vetalgo: Big Animals Algometer

Portable, hand-held algometer to evaluate pain on cats, dogs, pigs & horses.



## ALL-IN-ONE

One single screen to read 4 plug-and-play stimulators



## Electronic Von Frey

Quickly determine the mechanical sensitivity threshold in rodents (rats and mice).



## Rodent Pincher

Instrumented forceps to evaluate pain of joints, tails or paws (mice/rats).



## Static Weight Bearing (Deluxe All-in-One)

Measure supporting forces for rear paws and display curves.



## Smalgo Algometer

Designed for pain evaluation of small animals joints and backs.

# PAIN - THERMAL ALLODYNIA / HYPERALGESIA



## Cold Hot Plate

Provides constant temperature or dynamic ramps from -2°C to 55°C.



## Two Temperature Choice Test

Track animal position while experiencing two temperature paradigm.



## Thermal Gradient Test

Automatically track the position of a rodent exposed to a gradient of temperature.

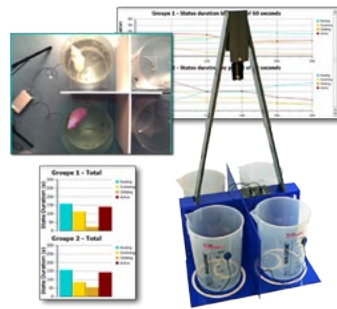


# BEHAVIOR, ANXIETY & DEPRESSION



## Tail Suspension Test

Original design by Porsolt et al. Automated version with up to 6 mice and USB port.



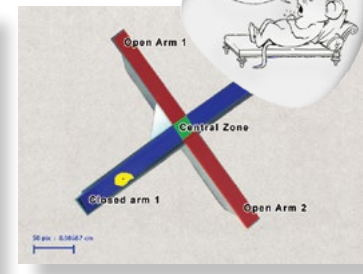
## Forced Swimming test

Automated version combining vibrations and video. Completely operator-independent.



## Automated Open Field

Track the animal in 3 dimensions & detect rearing in all light conditions.



## Elevated Plus Maze

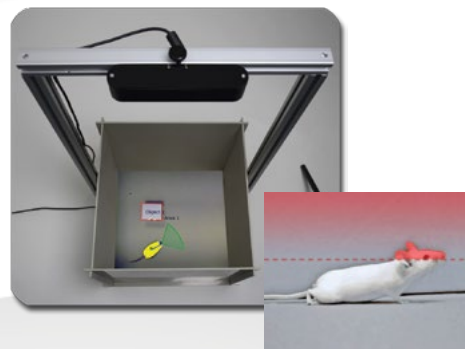
Open and closed sections for study of anxiety, with fully automated software.

# LEARNING - MEMORY - ATTENTION - ADDICTION



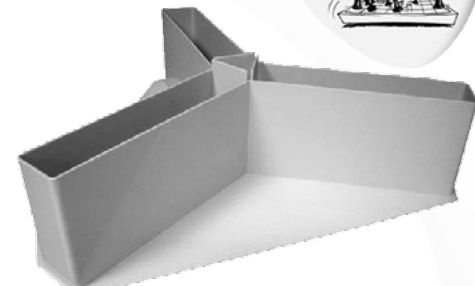
## Startle & Fear Conditioning

Fully automated system based on high sensitivity weight transducers.



## 3D Novel object recognition

Auto video tracking: record recognition events, sniffing & angle of vision in front of novel object.



## Y-Maze: Working Memory Test

Y-shaped maze to study the decision behavior for memory evaluation.



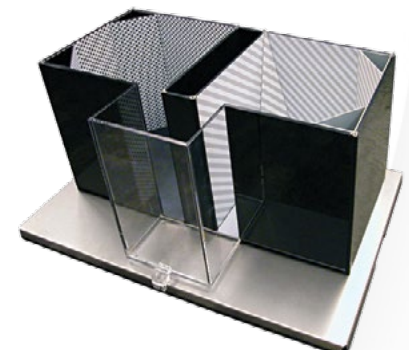
## Shuttle Boxes (Active & Passive)

Ideal to carry out conditioned reflexes in learning and memory studies.



## Operant & Behavior Modular System

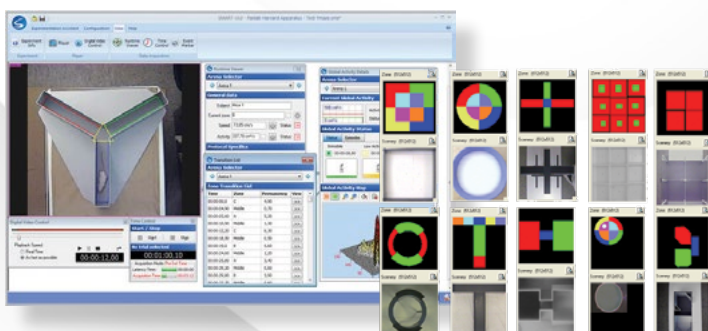
Conduct operant conditioning procedures: food reinforcement, DMTS, conflict tests...



## Spatial Place Preference

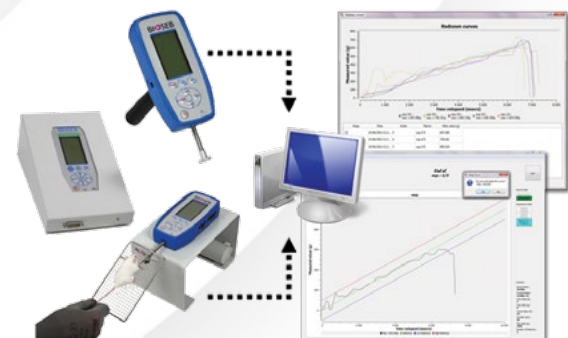
Versatile arena for place preference and aversion studies in mice and rats.

# SOFTWARE



## Smart Video tracking software

Flexible, easy-to-use software for the automated evaluation of animal behaviour. Accurate tracking in a wide range of arenas.



## BIO-CIS multiple instruments software

Improve the repeatability of reflex nociceptive tests: real-time display of force/time curves, data import from internal memory.

# SERVICES

Our work starts upstream, thanks to our partnerships with research institutes, by developing innovative solutions matching your needs - but our mission also extends downstream by offering you the best support available.

Whether you need calibration certificates, or want us to come to your lab to install your equipment, our team is by your side. We provide environmental measurement tools to ensure results quality, and our support force will help you fine-tune both hardware & software use. From concept to support over calibration and installation: your partnership with Bioseb is a long-term symbiosis.



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