

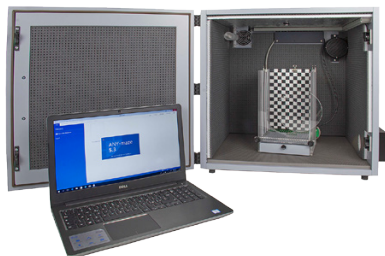
Italian UGO Basile delivers wide range of *in-vivo* systems for memory, learning, cognition, anxiety and depression studies, as well as the classic tests for drug or phenotypes screenings.



OPERON (Papaleo-Scheggia's method)
The ultimate intra/extradimensional attentional set-shifting task for mice

This novel ID/ED Operon task is an effective preclinical tool for drug testing and large genetic relevant screenings to study the executive dysfunctions and cognitive symptoms of psychiatric disorders.

- Automated tridimensional stimulation (visual, odor and texture)
- Automated change of floor tactile stimulation
- Continuous trial repetition
- Automated odor stimulation via 10 different odors independently
- Automated reward when the correct choice is made
- Fully automated managing & data acquisition by AnyMaze software

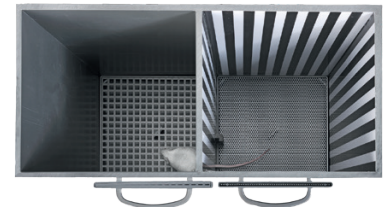


FEAR CONDITIONING SYSTEM

- Contextual Fear Conditioning and Cued fear Conditioning paradigms in one system
- The detection of Freezing is automated and based on video analysis
- Can be expanded up to 8-16 cages

CONDITIONED PLACE PREFERENCE

- Optimized for use with any video-tracking software
- Box includes the contextual cues required by the experimental paradigm: interchangeable floors with square or circular patterns and 3 sets of walls



STARTLE/PPI TEST

Automatic detection of startle reflex in mice

- System can be upgraded from Fear Conditioning System
- Experimental schedule including pulse, pre-pulse, inter-pulse and inter-stimulus intervals
- The touch-screen electronic unit manages up to 4 stimulating platforms
- Optional air puff for tactile pre-pulse

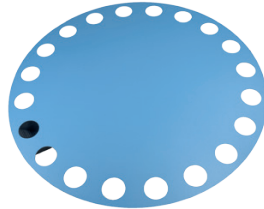
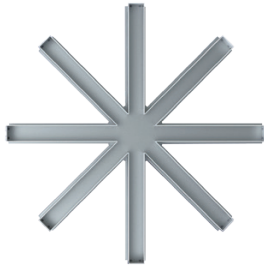
ACTIVE AVOIDANCE (automatic reflex conditioner) AND PASSIVE AVOIDANCE (step trough method) SYSTEMS

- Maximum flexibility: configure your own avoidance- experiment schedules via the timeline function
- The electronic unit encompasses all controls for up to 4 animal cages!
- Reliable tilting-floor detection mechanism
- Possibilities of light, shock and sound stimulation



ANIMAL MAZES

- Barnes maze
- Radial maze, also automated version
- T and Y maze
- Elevated plus and Zero maze
- Circular pools for Morris water maze



OPEN FIELD AND LIGHT / DARK CAGES

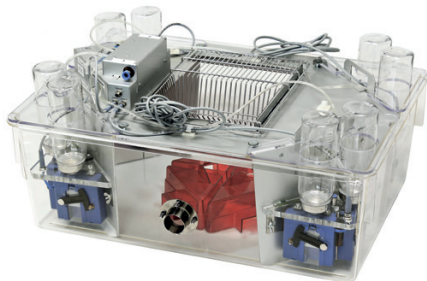
- Two configuration: one box containing another (dark) box, or one box divided in two
- Optimized for videotracking



**Automated, throughput systems
for behavior&conditioning experiments**



INTELLICAGE



The IntelliCage, a fully automated system allows you to assess the home cage behavior and cognitive performance of up to 16 individual mice or 8 rats separately while they are living in a social environment. This unique experimental setup fosters natural social behavior in a biologically relevant, enriched but highly standardized home cage context.

- Maximal standardization and reproducibility
- Minimal human intervention, high validity
- Fully automated task performance
- Broad variety of accessible data
- Flexible design of paradigms

MULTI CONDITIONING SYSTEM

The Multi Conditioning system is designed for multi-purpose behavioral testing, e.g. the evaluation of learning, memory, emotion and stress-related behaviors in mice and rats.

- Customizable: select arena, paradigms, accessories according to your current experimental demands
- Nine pre-programmed paradigms, flexible experimental design in one chamber
- Increases intra- and inter- lab reproducibility (enclosed experimental environment)

