



Sophisticated Life Science Research Instrumentation

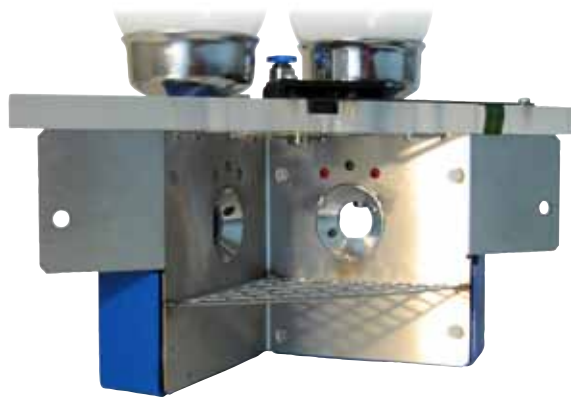


AudioBox

Auditory Conditioning



Intelligent Hearing Rewarded



HEAR, HEAR! And Learn...

Automated auditory conditioning of group-housed rodents.

YOUR BENEFITS

- **Validated Technology from IntelliCage**
- **Home cage measurement: stress-free**
- **Versatile setups: multiple stimuli with differential application regimes**
- **Standardized procedures**
- **Trustworthy: high data comparability**
- **Walk-away system: no experimenter interference**
- **TSE Systems All-In warranty and service**

The AudioBox by NewBehavior is using thoroughly tested and validated technology from the IntelliCage, such as the conditioning corner and the RFID technology, to enable the automated execution and analysis of auditory conditioning experiments. The AudioBox is equipped with:

- Sound-proof housing
- Sound-dispersing pre-cage connection to external home cage
- Connector tunnel to external home cage (any cage size usable)
- Optional: programmable gated access via AnimalGate
- Stimulus speaker inside the box above conditioning unit
- Operant corner for reinforcer and response elements (IntelliCage technology)
- RFID antenna near conditioning corner
- Infrared presence sensor in the conditioning unit
- House light

Software

The software features extensive control over acoustic and optic stimuli, such as frequency, sound shape, intensity, pattern or duration.

Applications

- Auditory conditioning
- Function of the acoustic system
- Auditory learning/memory
- Auditory cognition and discrimination
- Pharmacology
- Toxicology
- Physiological-functional correlations
- As part of a multi-arena setup (see separate PhenoWorld brochure)

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