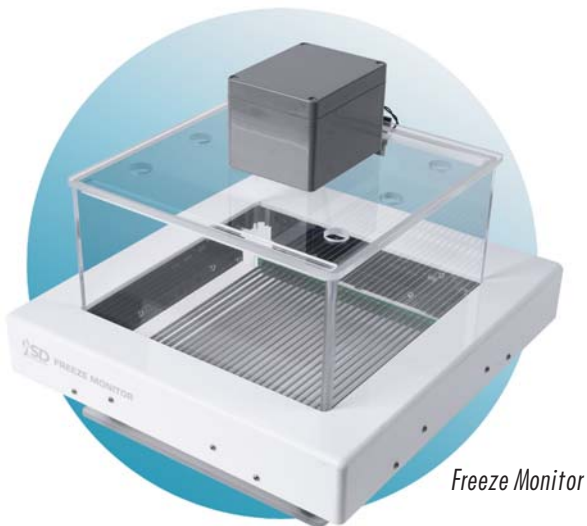


FREEZE MONITOR™

Powerful system for cued and contextual fear conditioning in rats and mice



Freeze Monitor

Features & Benefits

- 16 x 16 photobeam array precisely records the start and end of freezing episodes
- Configure up to 4 stations for rapid testing of subjects
- Conversion from rats to mice is possible in less than five minutes
- Fully computerized measurement of freezing behavior
- Run the system on a laptop or desktop computer
- Freeze Detector Report

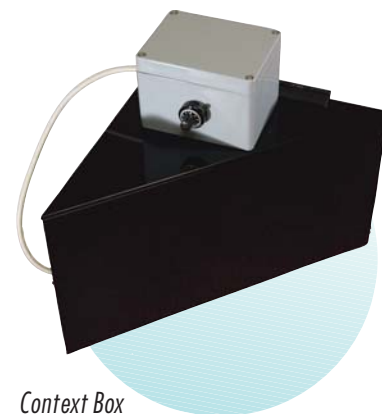
PRODUCT OVERVIEW

The Freeze Monitor™ System is a fully computerized system designed to study cued and contextual fear conditioning in rats and mice. Freeze Monitor has been successfully used in studies of the psychophysiology and the psychopharmacology of fear conditioning and for exploring the effects of analgesics and anxiolytics. The subject can be forced into a freezing defensive posture by utilizing auditory cues, light cues and a shock grid. Freeze Monitor software provides the user with the ability to control the cue type, cue duration and scoring frequency. The 16 x 16 photobeam array precisely records the start and end of freezing episodes. Freeze Monitor software accurately reports the total number of freezing episodes and total time freezing for each session.

Contextual fear conditioning can be studied using the optional Context Box. This unit inserts into the Freeze Monitor to divide the enclosure. The Context Box is made of a special IR Passive plastic that is opaque to the human or animal eye but allows the photobeams to pass through the plastic. The same stimuli are used and the exact same test definition can be used to gather the data. Freeze Monitor takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use.

FREEZE MONITOR SYSTEM COMPONENTS

- Acrylic test enclosure with integrated shocker, cue light and Sonalert acoustic stimulus unit, includes excreta pan
- Stainless steel grid shock floor
- All required cables and connectors
- Freeze Monitor Context Enclosure (optional)
- Isolation Cabinet (optional)



Context Box

FREEZE MONITOR SPECIFICATIONS

Outside Dimensions	14" (W) x 15" (D) x 12 ½" (H)
Inside Dimensions	10" (W) x 10" (D) x 7 ½" (H)
Weight	12 lbs.
Material Composition	Acrylic
Maximum # Stations	4
# of Photobeams	Infrared photobeams in a 16 x 16 array
Photobeam Spacing	½" in each direction
Standard Cable Length	6 ft.
Certifications	CE
Stimuli Options	Sound, light, shock
Color Options	White
Stainless Steel Grids	¼" grids spaced at ⅙" for rats ⅛" grids spaced at ⅙" for mice
Context Enclosure Box	9 ⅞" x 9 ⅞" x 14" x 7" (Deep)

FREEZE MONITOR COMPUTER REQUIREMENTS

Windows XP/Windows 7 compatible computer system with USB connection. Minimum disk and memory sizes specified to support Windows XP/Windows 7 are acceptable.

SDI CONFIGURED COMPUTERS

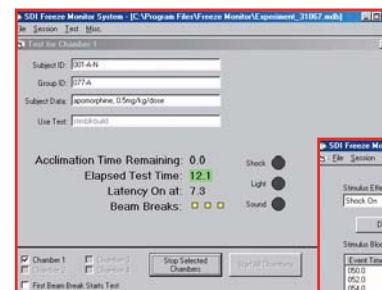
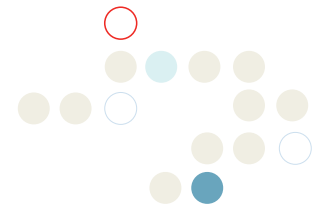
SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

FOR MORE INFORMATION

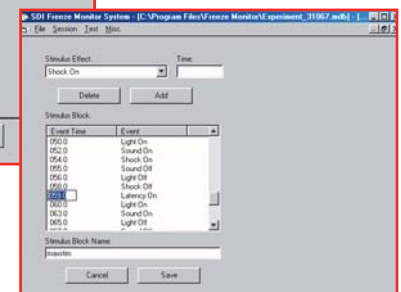
To learn more about SDI behavioral testing systems, please visit www.sandiegoinstruments.com. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com.

SDI LEARNING TEST SYSTEMS

- Barnes Maze
- Eyeblink Conditioning
- Freeze Monitor™
- GEMINI™



Latency Data Recording



Sample Stimulus Script



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