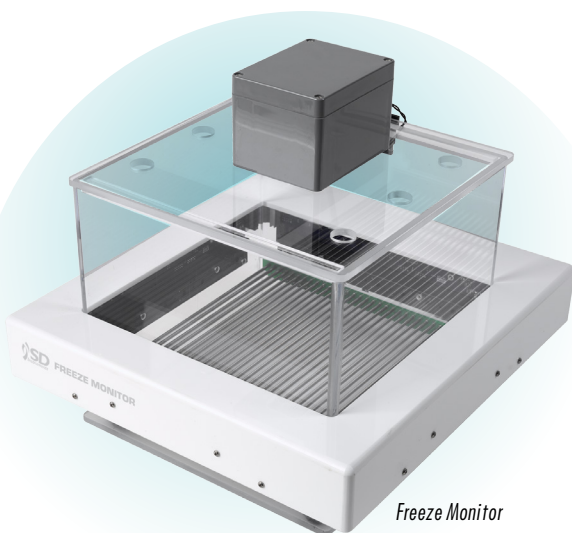**Learning**

FREEZE MONITOR SYSTEM™

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

» Run the system on a laptop or desktop computer

» Freeze Detector Report reports number of episodes and duration of each episode
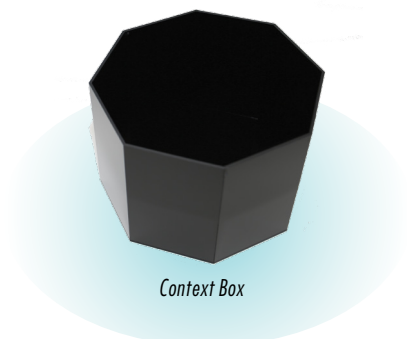
PRODUCT OVERVIEW

The Freeze Monitor System is a fully computerized system designed to study cued and contextual fear conditioning in rats and mice. 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 and cue duration. The 16 x 16 photobeam array precisely records the start and end of freezing episodes. Freeze Detector Report accurately reports the number of freezing episodes, duration for each episode and calculates percentage freezing.

Contextual fear conditioning can be studied using the optional Context Box which 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 SYSTEM COMPONENTS

› Test Station includes integrated shocker, cue light, Sonalert acoustic stimulus, 16 x 16 photobeam array and shock grid floor

› Freeze Monitor Context Enclosure (optional)

› Isolation Cabinet (optional)

Context Box

FREEZE MONITOR SPECIFICATIONS

Mouse	Outside Dimensions: 14" (W) x 15" (D) x 12.5" (H)
Inside Dimensions	10" (W) x 10" (D) x 7.5" (H)
Weight	12 lbs.
Material Composition	Acrylic
Maximum # Stations	4
# of Photobeams	Infrared photobeams in a 16 x 16 array
Photobeam Spacing	.5" in each direction
Standard Cable Length	6 ft.
Certifications	CE
Stimuli Options	Sound, light, shock
Color Options	White
Stainless Steel Grids	.25" grids spaced at .562" for rats .125" grids spaced at .562" for mice
Context Enclosure Box	9.9" X 9.9" X 7" (Deep)

FREEZE MONITOR COMPUTER REQUIREMENTS

Windows 7/Windows 10 compatible computer systems with one USB port. Minimum disk and memory sizes specified to support Windows 7/Windows 10 are acceptable.

SDI CONFIGURED COMPUTERS

SDI offers high performance Configured Computers that are pre-installed with the Windows® operating system, USB Drivers and applicable SDI software. 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@sandiegoinstuments.com.

SDI LEARNING TEST SYSTEMS

› Eyeblink Conditioning
› GEMINI™