

Vogel Test Apparatus (Anxiometer)

FOR SCREENING ANXIOLYTIC EFFECTS OF DRUGS

The Vogel test is a conflict test that has become a standard for fast screening the potential anxiolytic properties of drugs. In this procedure, the drinking behaviour is punished by mild electrical shocks leading to a significant reduction of water consumption in deprived animals. Drinking responses are then re-established by drugs with anxiolytic properties. Vogel test consists of a standard home cage for mice as well as rats associated with a grid floor. An electronic unit associated with a special nipple ensures the detection and counting of the licks reflecting the animal's drinking behavior. Vogel Test Apparatus is designed to induce anxiety within a subject and monitor the degree of drug effect by the administration of a mild shock after 20 licks on a sipper tube. The shock is delivered through the sipper tube and is maintained for a selectable duration of 0.25 to 2.0 seconds. The intensity of the shock is user-adjustable. With the onset of the initial shock, Anxiometer begins a three-minute testing session during which the total number of licks and shocks (administered with every 20th lick) is recorded on front panel counters. The performance of anti-anxiety drugs can be measured by comparing the drinking behavior of punished drugged rats to the behaviors of punished non-drugged rats.



Designed To Induce Anxiety Within A Subject And Monitor The Degree Of Drug Effect By The Administration Of A Mild Shock After 20 Licks On a sipper Tube.



FEATURES:

Specially designed water bottle making lick count & shock delivery only on water contact and not on sipper tube contact

Software for data collection and data can be converted to excel or Pdf

Provision to add experiment name and comment facility in software report

PARAMETERS CALCULATED

Number of licks

Number of shocks

ADJUSTABLE PARAMETERS:

Shock Duration: 0.25s to 2s

Shock Intensity: 100µA to 2.9mA

Number of Licks for giving Shock: 1-99

Duration of test period: 1-99min

ORDERING INFORMATION:

Model	Power requirements	Certifications	Accessories Supplied
VTA- 01	220/230V AC 50Hz 110/120V AC 50-60Hz*	CE Compliant	<ul style="list-style-type: none">Mice cage- Polycarbonate mice cage of size 29x22x14cm, with 150ml water bottle, top and floor S.S. 304 GrillRat cage- Polycarbonate rat cage of size 43x29x20cm, with 250ml water bottle, top and floor S.S. 304 GrillCD for software,RS232 Cable,RS232 to USB converter

*Needs to be specified in order information

SOFTWARE REPORT FORMATS :

The image displays two screenshots from the ORCHID Scientific software. The left screenshot shows a printed 'Experiment Report' with the following details:

- Experiment No: 7
- Experiment Title: enter title here
- Comments: enter comment here
- Exp. Method: Experiment Mode
- No of Licks Set: 14
- Experiment Duration: 1 (Mins.)
- Experiment Date: 07-Sep-2017
- User Name: admin
- Shock Duration: 2 sec
- Shock Intensity: 1.3 mA

Method	Experiment Mode
No of Licks taken by Animal	30
No of Shocks Delivered to Animal	2

The right screenshot shows the software's control interface with the following parameters:

- Experiment No: 7
- Experiment Date: 07-Sep-2017
- Title: enter title here
- Comments: enter comment here
- Exp. Method: Experiment Mode
- No. Of Licks Set: 14
- Shock Duration: 2 sec
- Experiment Duration: 1 mins
- Shock Intensity: 1.3 mA
- No. Of Licks Taken by Animal: 30
- No. of Shocks Delivered to Animal: 2



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