

Aron test

for screening anxiolytic substances in mice



PRODUCT OVERVIEW

The Aron test or four plates test is an animal model of anxiety in which the exploration of the novel surroundings is suppressed by the delivery of a mild electric foot shock.

Basically, the apparatus consists of a cage floored by four identical rectangular metal plates (8 x 11 cm) separated from one another by a gap of 4 mm. The plates are connected to a shocker unit that can generate electric footshocks.

Following habituation period, the animal is subjected to an electric shock when crossing (transition) from one plate to another, i.e. two legs on one plate and two legs on another. Boissier et al. 1968 has described this test first. The number of punished crossings is generally counted by the experimenter for a period of 60 s. A substance with anxiolytic properties induces an increase in the number of punished passages.

Key Features

- An elegant and economical solution for screening large number of mice
- Punishment based conflict test

SPECIFICATIONS

Cage materials	white, transparent plastic and stainless steel
Dimensions	18 x 25 x 16 cm
Shock	0-3 mA, timer 0-10 sec, square pulse
Shock delivery	footswitch
Count	manual

ORDERING INFORMATION

LE830	76-0006	Aron Test Box
LE10026	76-0159	Shocker with scrambler

APPLICATIONS

Anxiety, drug screening, phenotyping

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