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Habituation and dishabituation (olfaction test)

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We use this protocol and it's working

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Abstract

Habituation and dishabituation (olfaction test) for mice

- 1 Individualize each mouse in a different cage with new bedding.
- 2 Present one cotton swab to the animal for object habituation for 10 min.
- 3 Present a second swab impregnated with water for 3 min.
- 4 Measure the number of times the animal goes towards the second cotton swab and the time the animal spends sniffing it.
- 5 Present a third swab impregnated with lemon essence (Essenciales) for 3 min.
- 6 Measure the number of times the animal goes towards the third cotton swab and the time the animal spends sniffing it.
- 7 Calculate the discrimination index (DI) according to the formula: (Time exploring lemon essence – Time exploring water) / (Time exploring lemon essence + Time exploring water).