



JAN 30, 2024

🌐 Sucrose preference test

📁 In 1 collection

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ABSTRACT

The sucrose preference test assesses the animal's interest in a sweet-tasting sucrose solution relative to unsweetened water

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DOI:

dx.doi.org/10.17504/protocols.io.3byl4q4xrvo5/v1

Protocol Citation: mariangela.massarocenere 2024. Sucrose preference test . **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.3byl4q4xrvo5/v1>

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Protocol status: Working

Created: Jan 26, 2024

Last Modified: Jan 30, 2024

- 1 Place one animal per cage during the test duration and habituate them to drinking from two equally accessible bottles

- 2 Expose animal to a double-choice drinking test, with the two bottles containing one sucrose solution (1%) and the other drinking water
 - 2.1 To avoid side preference, place the sucrose bottle on the left for half of the cages and on the right for the other cages

- 3 Refill each bottle with fresh water or 1% sucrose solution and invert to its original position every day for two consecutive days

- 4 After 72h, measure with a graduated cylinder and record water and sucrose solution consumption

- 5 Calculate the percentage of sucrose intake and water intake as follows:
$$\left[\frac{\text{sucrose}(ml)}{(\text{sucrose} + \text{water})/kg} \right] * 100 \quad \text{and}$$
$$\left[\frac{\text{water}(ml)}{(\text{sucrose} + \text{water})/kg} \right] * 100$$