

NOV 23, 2023

OPEN ACCESS



DOI:

dx.doi.org/10.17504/protocol s.io.261gedjjwv47/v1

Protocol Citation: Marina Lorente Picón, Núria Peñuelas, Ariadna Laguna, Miquel Vila 2023. Grip strength test. protocols.io https://dx.doi.org/10.17504/p rotocols.io.261gedjjwv47/v1

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Protocol status: Working We use this protocol and it's working

Created: Nov 23, 2023

Grip strength test

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ABSTRACT

Grip strength test for mice

Oct 23 2023

Last Modified: Nov 23,

2023

PROTOCOL integer ID:

91354

- Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (13.2g). Then, lift them carrying the corresponding weight with their forepaws for a total of 5 seconds. If the animal does not succeed assign 0 seconds to that animal. If the animal succeeds holding the weight, move on to the next weight.
- 2 Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (32.1g). Then lift them carrying the corresponding weight with their forepaws for a total of 5 seconds. If the animal does not succeed assign the max no of seconds he held the weight to that animal. If the animal succeeds holding the weight, move on to the next weight.
- Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (19.7g). Then lift them carrying the corresponding weight with their forepaws. If the animal does not succeed assign the max no of seconds to that animal. If the animal succeeds holding the weight, move on to the next weight.
- Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (25.9g). Then lift them carrying the corresponding weight with their forepaws. If the animal does not succeed assign the max no of seconds to that animal. If the animal succeeds holding the weight, move on to the next weight.
- Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (38.4g). Then lift them carrying the corresponding weight with their forepaws. If the animal does not succeed, assign the max no of seconds to that animal. If they succeed holding the weight, move on to the next weight.
- Hold the animal by the middle/base of the tail and allow it to grasp a tangled fine gauge stainless steel wire attached to steel chain (44.6g). Then lift them carrying the corresponding weight with their forepaws. If the animal does not succeed, assign the max no of seconds to that animal. If the animal succeeds holding the weight, assign 30 seconds to that animal.
- 7 Calculate Grip latency (s) as a sum of the time holding the increasing weights (0-30 seconds).