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# Grip strength test



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Protocol status: Working

We use this protocol and it's working

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#### **Abstract**

Grip strength test for mice

## Troubleshooting



- 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.
- 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).