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Working

Case - Measurement of Food Consumption and Body Weight [↗](#)

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[dx.doi.org/10.17504/protocols.io.yeqftdw](https://doi.org/10.17504/protocols.io.yeqftdw)

Mouse Metabolic Phenotyping Centers

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ABSTRACT

Summary:

During the course of development or during a diet study the amount of food and body weights are measured 1-2 times per week.

EXTERNAL LINK

<https://mmpc.org/shared/document.aspx?id=269&docType=Protocol>

- 1 Mice are marked by ear notches. They are weighed and the weight is recorded.
- 2 At 9:00AM, mice are placed in a clean cage (2-3 mice/cage because singly housed mice are stressed). The amount of food is weighed and recorded.
- 3 The next day at 9:00AM the food and mice are weighed and measurements are recorded.
- 4 To calculate food intake. Subtract day 3 values from day 2 values and divide by the total weight of the mice in the cage.
- 5 The data is represented as an average over the course of diet study or each week over time.



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