



MMMPP
Melbourne Mouse Metabolic
Phenotyping Platform



Glucose homeostasis

1. Experiment

Glucose tolerance tests and insulin tolerance tests

2. Aim

To measure glucose and insulin tolerance in mice

3. Equipment



Hand-held glucometers (Accu Chek) are used to measure blood glucose levels throughout a glucose or insulin tolerance test.

Researcher may book bench space free of charge to perform their own glucose homeostasis experiments. Alternatively, researchers can arrange for the platform to do the experiment for them. Please refer to the most recent price list for details.

4. Training requirements

If the researcher is unfamiliar with gavage or IP techniques, we recommend arranging official training sessions directly through the animal facility. The platform is happy to share examples of protocols.

5. Experiment design considerations

- Maximum 8 mice per cohort
- Confirm if blood samples need to be collected for additional tests

6. Monitoring

This may vary so refer to your specific monitoring protocol in your ethics approval. Generally, mice must be monitored throughout the experiment, 4 hours later, and the next day for signs of distress.

7. References