ABSTRACT

Summary

A high-fat diet of varying composition and percent fat is administered to induce obesity in mice. High-fat diet induced obesity is causally associated with insulin resistance and type 2 diabetes. Diets will be provided in consultation with the investigator needs. This service applies to specialized feeding for vendor supplied animals being supplied out of the UC Davis vendor approved barrier facility.
High-fat diet is given ad libitum in mice. Typically mice are started on the diet at 6 weeks of age (for C57BL/6 strains). Age at diet start will be begin in consultation with the investigator needs.
2 A stock bag of high-fat diet should be stored in a refrigerator.

3 High-fat diet placed in cages should be replaced 2 times a week to avoid spoilage.

4 Mice will typically eat more in the first 2 weeks of high fat diet feeding. Careful attention to diet intake will be taken during this time.

5 Diet intake measurement and animal weights may be taken in consultation with the investigator as a separate service.