

Managing Diabetic Mouse Models

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1. Common Mouse Models

Diabetic mouse models are used commonly to help study all types and phases of the disease. Several inbred, mutant and genetically modified mice strains exist to help carry out this research. This presentation will cover the characteristics of some of these strains and how they are used to study the disease.

2. Common Susceptibilities, Opportunistic Pathogens and Husbandry Practices

As these strains can be difficult to maintain, it is helpful to understand what they are susceptible to and how to adjust husbandry practices to help them thrive. As these animals may not be immunocompetent, they are susceptible to certain opportunistic pathogens. Changing husbandry practices, health testing practices, and knowing what clinical signs suggest a pathogenic problem will help to manage these animals to current best practices.