



Animal Creation

Custom program designed to develop animal models using both gene addition and gene modification techniques. The focus is on designing and producing transgenic, knockout, and knockin models

Quarantine & Health Monitoring

Isolation of animals and testing is performed to avoid the introduction of pathogenic agents into a facility. The program includes sentinel testing, serology, gross pathology, histopathology, bacteriology, and parasitology.

Colony Maintenance & Development

Utilizing customized work plans, a variety of services can be implemented including development of a homozygous colony, backcrossing to develop a congenic strain, intercrossing to combine multiple constructs in one model, and animal holding and aging. The bio-containment isolator technology utilized eliminates the need for rederivation prior to initiation of a project.

Genetic Testing Services

A variety of DNA-based tests are provided including PCR genotyping, DNA profile testing by microsatellite, zygosity testing, expression testing, MAX-BAXSM speed congenics, and NOD and SCID testing.

Phenotypic Characterization

This comprehensive program is designed to characterize mutant models by assessing quantitative and qualitative changes in anatomy, physiology, and behavior. The program includes in-life analysis, pathology, necropsy, and histopathology.

Cryopreservation, Rederivation, & Embryo Transfer

The collection, cryopreservation, and storage of pre-implantation stage embryos is performed to protect against the loss of valuable research models due to contamination, catastrophic events, or genetic alteration. Rederivation by embryo transfer is the principle method for removing adventitious agents from rodent colonies.