Genetically Modified Models
Reliable, stable, proven technology for custom animal model generation

CRISPR/Cas9 gene editing has dramatically changed the ability to modify models. However, it presents a complexity of challenges and limitations. Embryonic stem cell gene targeting may still provide the best approach for generating the ideal animal model to support your studies.

Let our experienced and highly-trained technical team assist in designing and generating your next model using our established, reliable, and efficient service platform for genetically engineered mice.

Model Types
- Knockout
- Conditional knockout
- Knock-in
- Point mutation
- Humanization
- Site-specific transgenesis
- Transgene overexpression

Available Strains
- C57BL/6
- 129/S6
- B6;129

Additional Services
- Breeding
- Cryopreservation
- Re-derivation
- Phenotyping

Embryonic Stem Cell Targeting

Murine Embryonic Stem Cells
- Exchange an endogenous allele of a target gene
- For a mutated copy
- Generating targeted ES cells with defined mutations in their genome

Genetically Engineered ES Cells
- Remain pluripotent
- Develop into germ cells in the chimeric animals
- Germline transmission
- Stable genetically engineered mouse

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Schedule Scientific Consultation
Request a consultation to discuss your project.
consultation@crownbio.com

Additional Resources
Read supporting publications, white papers, watch presentations, and more.
crownbio.com/resources