



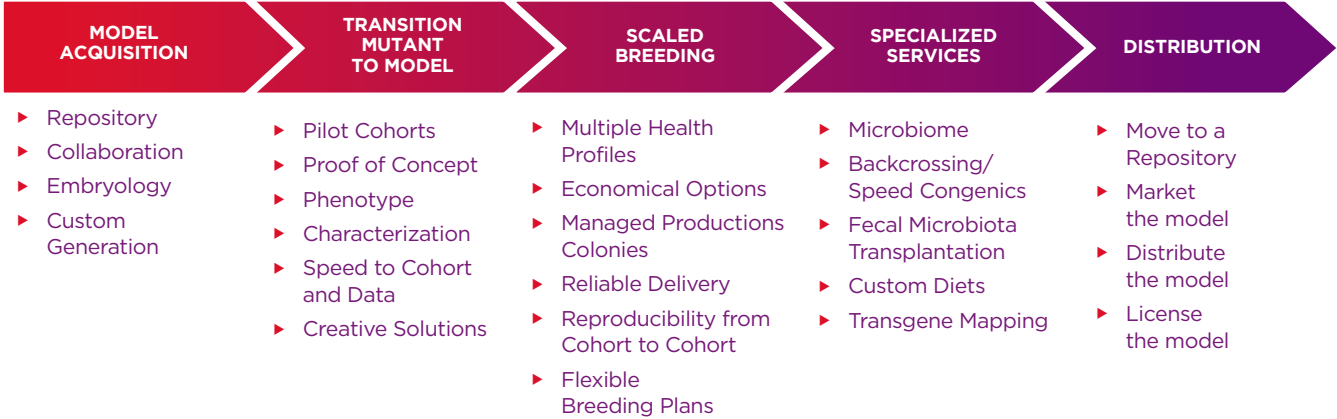
Custom **Model Generation** Solutions

Taconic Biosciences has the unique capability of combining the most experienced model generation team with a total comprehensive gene modification toolkit to provide customers the best solution to progress their program forward. Beyond superior skills, Taconic is the only company to offer a seamless integration between comprehensive model generation and the most experienced commercial breeder in the world.



THE COMPLETE SOLUTION

The only comprehensive and integrated model design and breeding services provider

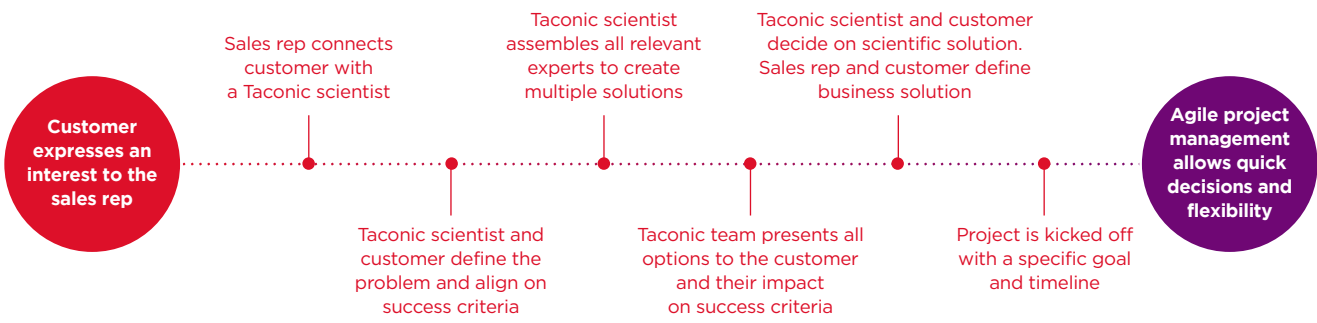


CUSTOM MODEL GENERATION

COLONY MANAGEMENT SOLUTIONS

START BY UNDERSTANDING THE GOAL

Every step of the process is focused on the customer

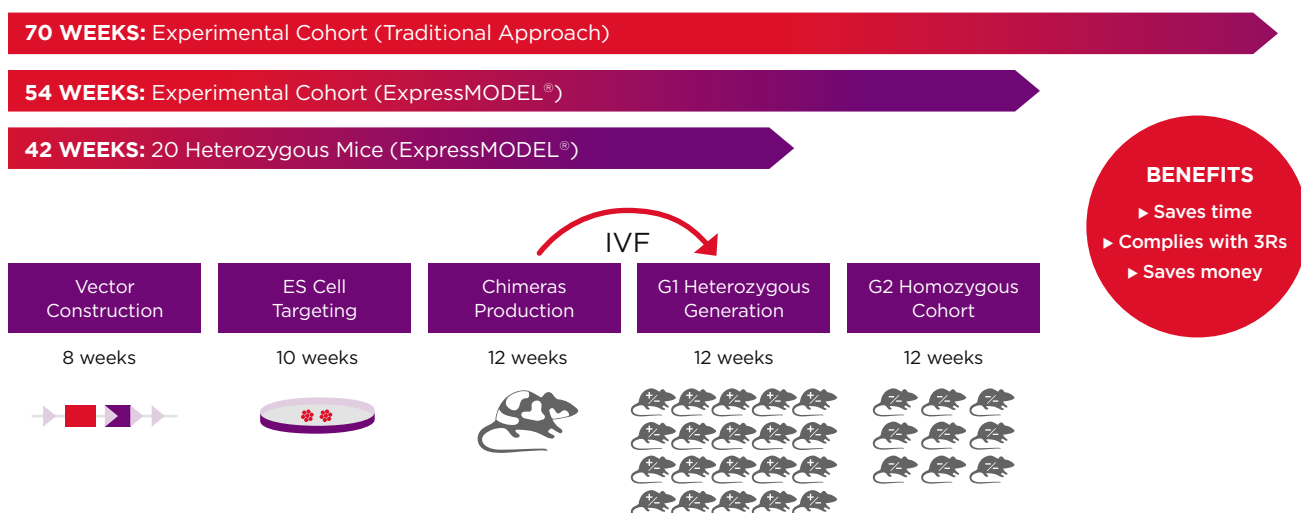


THE ONLY COMPLETE GENE-MODIFYING TOOLKIT

To make the right model, you need the right technology

	PRO	CON
CRISPR	CRISPR is fast, specific, cost effective, and allows for the modification of different genetic backgrounds. It can be applied to both mice and rats.	It is not flexible and does not allow for the insertion of complex alleles. Some CRISPR alleles might be more difficult to genotype.
Easi-CRISPR	Same as CRISPR, with additional capabilities to perform targeted transgenesis, insertion of site-specific recombinases and reporters	Although can insert complex alleles, it is still relatively inflexible and the alleles may be difficult to genotype
HR	Most versatile method of targeting the genome, the method of choice for complex modifications such as genomic humanizations or knock-in of long sequences	Longer timelines, need ES cells from specific background, limited to mice only (no rats)
PNI	Relatively short timelines, allows generation of allelic series, can do it on different backgrounds and in mice and rats	Integration of the transgene may affect the function of an important gene, increased risk for epigenetic silencing throughout generations
shRNAi	Preferred method to analyze the effect of downregulation of a specific target gene without deleting it from the genome, mimics the effect of an inhibitory drug	Dependent on the quality of the shRNA

ExpressMODEL®: A FASTER ROUTE TO RESULTS



CHOOSE TACONIC

Taconic Biosciences' mission is to improve quality of life by providing the right animal model solutions to drive critical research from project to cure.

Taconic delivers this superior value by making its customers the focus of everything it does. From developing the most predictive models to drive key decisions, to custom design and breeding services generated for each specific project, Taconic's expertise, superior products, and unique platforms empowers customers to progress their research further, faster.

YOUR COLLABORATIVE PARTNER

As a full-service biosciences company, Taconic can help you acquire, test, develop, breed, cryopreserve, prepare, and distribute highly relevant research lines worldwide. Whether you require custom genetically engineered, cell or tissue engrafted models, or traditional models, Taconic's scientists will partner with you to rapidly and efficiently deliver the highest quality animals.

CONTACT US

Our scientific team is happy to meet and talk with you about the most efficient way to achieve your study goals. Working in partnership with clients all over the world, our scientific team offers expert advice that can help you speed up your research and reduce your overall costs.

For information, contact one of our customer service team members, who are here to help you make the right decisions and get the models you need fast. Contact us at info@taconic.com.

VISIT TACONIC.COM

For more information on the entire Taconic portfolio of products and services designed to help further your research, visit taconic.com



STANDING BY THE SOLUTION

Rigorous quality control in every step along the way

High Germ Line
Transmission

Robotic Sample Handling
Reduces Human Error

PCR Genotyping
Protocol for Validation

Validation by
Southern Blot

Custom Cell
Culture Robotics

Variety of High-
Quality ES Cell Lines

Full Characterization
of Founder Animals

Transgene Mapping
Analysis via Cergentis
B.V. Partnership

**>99%
Success**
Right Model,
On Time



Get in touch for more information about our services.

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