



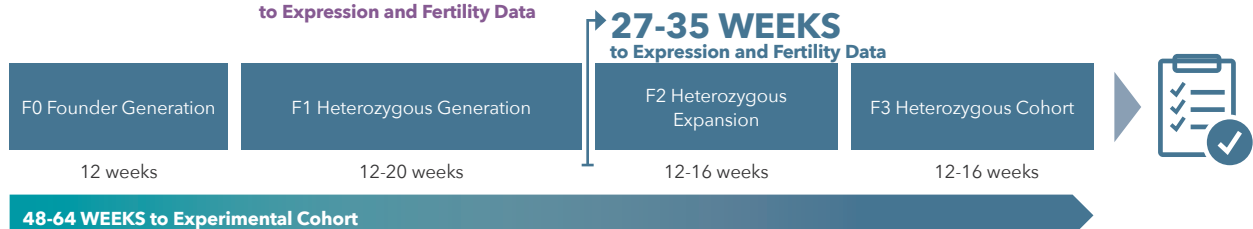
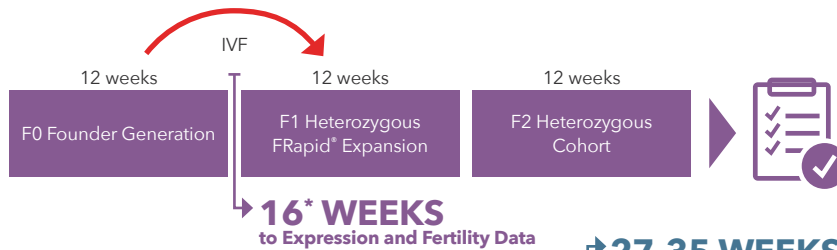
ExpressMODEL[®] Random Integration Transgenic (RITg) Platform

A Novel Approach to Accelerate the Timeline to Results

**OBTAIN RESULTS AT LEAST 3 MONTHS FASTER THAN
THROUGH TRADITIONAL APPROACHES**

ExpressMODEL[®] RITg Platform

40 WEEKS to Experimental Cohort



Traditional Approach

*Approximately 4 weeks until expression data from IVF, qPCR, and RNA is available.

BENEFITS

- Reduce the timeline to transgene expression and fertility data by 3-5 months compared to the traditional approach to breeding founder animals and characterizing F1 offspring
- Predictable and accelerated timelines through in vitro fertilization (IVF) versus natural breeding
- Customize the cohort size at the desired health status to meet your research needs
- Avoid the cost and time constraints of breeding and characterizing multiple founder lines

Get in touch for more information about our products and services.

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THE COMPLETE SOLUTION

MODELS TO DRIVE DRUG DISCOVERY

Taconic Biosciences is uniquely positioned to enable drug discovery through animal models by being the only company that partners with customers to provide expertise, quality, and availability, along with downstream services:

- Expertise at every step
- Highest quality standards in the industry
- Availability and access to drive global research

MODEL GENERATION SOLUTIONS

Taconic's Model Generation Solutions empower our customers with a unique combination of capabilities, specifically tailored to each individual discovery program:

- Most experienced model generation and breeding company
- Most comprehensive toolkit
- Exclusive programs
- Concierge approach to partnering with customers

COLONY MANAGEMENT SOLUTIONS

Taconic's fully-integrated colony management solutions bring innovative models from design to study-ready cohorts with unprecedented speed and transparency:

- Most experienced model generation and colony management company
- The complete toolkit
- Colony management solution process
- Partnering with our customers
- Expanded applications and opportunities

ExpressMODEL® RANDOM INTEGRATION TRANSGENIC (RITG) PLATFORM

Model generation through pronuclear injection to create random integration transgenics continues to be a favored path to quickly generating "gain of function" models that express an ectopic gene and pass the trait onto their offspring. However, because genomic integration site and copy number of the transgene is random in each injected embryo, each resulting founder line is unique and requires extensive transgene expression analysis to determine if it will perform to the desired specifications (e.g. expression levels and tissue distribution). As a result, common practice is to separately propagate each line to generate offspring for extensive transgene expression studies. These data are then used to determine which founder line(s) to continue with. The cost and time investment of the downstream breeding and characterization of multiple founder lines can heavily outweigh the original cost to generate the lines.

To mitigate the risks on project timeline and budget, Taconic now offers the ExpressMODEL® Random Integration Transgenic (RITg) Platform, a novel approach that provides the opportunity for transgene analysis in founder animals. In essence, sperm from founder animals are collected and subsequently analyzed, allowing for transgene expression and fertility data to be available at least 3 months sooner than through traditional approaches and accelerating the timeline to the generation of experimental cohorts.

How does the ExpressMODEL® (RITg) Platform accelerate timeline to results?

