



## The **Taconic-Cyagen** Model Generation Alliance

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# Two Leaders, One Complete Solution

World-renowned for its consultative approach to complex animal model generation, Taconic Biosciences partners with researchers to provide the best solutions for the generation and supply of novel genetically engineered models by leveraging the most comprehensive, fully licensed gene modification toolkit in the industry. Cyagen Biosciences utilizes a highly efficient process, including proprietary AI technology, to design and deliver novel genetically engineered models with precision and competitive pricing. As partners, Taconic and Cyagen leverage the power of our complementary approaches to redefine the customer's experience with custom model generation by bringing the best and most competitive solutions to the market.

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# The Complete Solution

## Model generation designed for non-profit researchers

The Taconic-Cyagen Alliance (Alliance) redefines what non-profit researchers can expect from a custom model generation service provider and partner. What this means for you is a full catalog of cost effective, guaranteed model generation services, and access to accelerated timelines and downstream comprehensive breeding services. Multiple delivery options that allow for direct import into your facility mitigate quarantine and cost concerns associated with traditional importation.

## Integration from Start to Finish

### Combining Efficiency, Technology, and Logistics to Redefine Model Generation



#### **FAST PROJECT SCOPING**

With AI powered project strategies available as quickly as two business days, the Alliance minimizes the delay to having a quote and strategy in hand.



#### **FLEXIBLE DELIVERY OPTIONS**

With a variety of delivery and rederivation options, the Alliance can deliver your model to your vivarium without the need for quarantine no matter your vivarium's restrictions.



#### **COST EFFECTIVE, GUARANTEED MODEL GENERATION**

The Alliance provides researchers with the value needed to maximize research budgets while still delivering the critical models needed to facilitate discovery, with the added confidence of a guaranteed deliverable.



#### **ACCESS TO ACCELERATED TIMELINES**

With the ability to rapidly generate age matched cohorts of 20-40+ animals at any Taconic health standard, The Taconic-Cyagen Alliance can drastically reduce time spent on conventional breeding strategies.



#### **COMPREHENSIVE CAPABILITIES**

The Alliance provides your research with the most comprehensive toolkit available: CRISPR, transgenic, PiggyBac, embryonic stem cell (ESC) based homologous recombination, and more; the only limit is the scope of your study.

# Turn-key Experience From Design to Delivery

## Seamless Integration Meets Flexible Solutions for Optimizing Your Research



**1** You first meet with your Taconic partner to present your ideas for a genetically engineered model. We then return with a complete design and proposal. Taconic's model design specialists are also available for consultation. Once we are aligned on the best solution, we are ready when you are to move forward with your project.



**2** Your model is generated at Cyagen's facilities in China with project updated being provided directly by your Cyagen project manager. Your Cyagen project manager will serve as your point of contact ensuring you have direct communication during model generation.



**3** Once your model is completed, your model will ship from Cyagen to Taconic's facilities where it will then undergo one of three customer-selected options, RapidRELAY™, RapidCHECK™ or RapidEXPANSION™, depending on the requirements of your institutional vivarium. Your Cyagen project manager will introduce you to Taconic's logistic team who will assist in the final coordination of shipping your model.

**4**



**Option A:** RapidRELAY™ projects, your animals are shipped directly to your vivarium without additional testing, with animals carrying Cyagen's Select Pathogen Free (SPF) health status.



**Option B:** RapidCHECK™ projects, your animals undergo validation health testing at Taconic thereby verifying their SPF status from Cyagen, and allowing for importation without quarantine\*



**Option C:** RapidEXPANSION™ projects, your animals are rederived to one of Taconic's International Health Monitoring Standards (IHMS) using Taconic's RapidEXPANSION™ technology, reducing time to cohort and guaranteeing a commercial-grade health standard.

\*Please check and confirm with your vivarium and veterinarian to confirm which delivery method allows for importation without quarantine into your facilities.

# What You Need to Know

## Helpful Information About Working with the Alliance

- 1 ARE THERE ANY HOLDING OR CAGE FEES ASSOCIATED WITH RapidCHECK™ OR RapidRELAY™?**

Once your animals are ready for shipment a member of Taconic's logistics team will reach out to arrange shipment. Should you be unable to receive your animals within 7 days, a weekly holding charge will be assessed until you can take delivery. If you anticipate not being able to take delivery of your animals (ie IACUC protocol still under review), please let us know so we can discuss options to ensure you receive your animals as soon as possible without additional fees.
- 2 HOW LONG DOES RapidCHECK™ TAKE?**

RapidCHECK™ is a 7 week process where Taconic will receive your animals from Cyagen; collect samples (fur swab, fur pluck, fecal pellets); perform testing by PCR and OPTI-Spot; and subsequently ship your animals to your vivarium following review and acceptance of testing data.
- 3 DOES RapidCHECK™, RapidRELAY™, AND RapidEXPANSION™ PROVIDE MY ANIMALS AT A TACONIC HEALTH STANDARD?**

RapidEXPANSION™ provides rederivation of your animals at a high commercial grade, Taconic IHMS health standard while RapidCHECK™ and RapidRELAY™ do not. While RapidCHECK™ does validate the health status of your animals, both RapidCHECK™ and RapidRELAY™ provide your animals at Cyagen's SPF health status. To ensure delivery without quarantine, please discuss these options as well as our excluded/tolerated pathogen list with your vivarium/veterinarian.

# Partner With Two Leaders on Your Next Project

## There Are No Limits to Your Imagination and Success

With access to Taconic's expertise, quality, and flexibility, now combined with Cyagen's speed, efficiency, and economical business model, our team will guide you through the process to the best technical solution, service level, and deliverable for your study. To learn how the Alliance can get to work on your research, request a consultation with a Taconic Model Design Specialist today.

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