



Taconic Biosciences offers a platform of animal models and services that enables our clients to study the complex interactions of the microbiome and the host animal and evaluate potential strategies for controlled modification. Our multidisciplinary scientific team and industry-leading ability to control the composition of the microflora of our animals can become your asset. By applying gnotobiotic techniques, we ensure the quality of designed studies that enable you to accelerate your research – an ability that has made us the industry-leading partner in microbiome research.

To enable our clients' efforts in microbiome research, Taconic offers a range of microbiome solutions that can be tailored to specific research needs and supplemented by a broad range of services.

Our industry-leading portfolio of germ-free animals and services offer an alternative to the challenges researchers face with limited capacity to perform microbiome studies in house. Germ-free mice are the gold standard when establishing mouse colonies with a specific microbiome through association with a single bacterial species or complex flora. Using germ free mice as a starting point mitigates the risk of having uncontrolled variables as the result of pre-association antibiotic treatment. Backed by decades of experience, our germ free capabilities include ready-to-ship germ-free C57BL/6NTac and Swiss Webster mice and generation of germ-free colonies of genetically modified models.

If your study requires one or more cohort of animals with a specific microbial composition, we can associate the animals prior to shipment or establish microbiome-specific colonies for continuous delivery of research cohorts. To evaluate the flora composition of an inoculum and of associated colonies, our testing solutions offer classical bacteriology for simple communities and access to sequencing for more complex floras.

Many of our other products and services can be combined with or applied to our microbiome platform offering a multitude of solutions.

For more information, please visit

[Taconic.com/microbiome](https://www.taconic.com/microbiome)

# Microbiome Research Products and Services

## TO ORDER

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Microbiome research  
products and services

# Take Your Research Further



## GEMS DESIGN

Taconic Biosciences GEMs Design empowers our clients to develop research models specifically suited to the unique needs of their discovery and development studies or therapeutic programs.

- Gene Inactivation
- Gene Mutation or Replacement
- CRISPR Gene Editing
- Transgene Expression
- miRNA Expression
- Cohort Production Packages

## PRECISION RESEARCH MODELS

Research organizations demand precision tools that better reflect human physiology. Taconic Biosciences leads the field delivering innovative solutions to meet these continually evolving needs. Our core competencies include the delivery of complex strategies that both integrate human genetic sequences and engraft human cells and tissues into custom mouse and rat models.

- Human Gene Replacement
- Human Cell and Tissue Engraftment

## GEMS MANAGEMENT

Taconic's fully integrated GEMs Management brings innovative models from design to study-ready cohorts with unprecedented speed and transparency.

- Embryology
- Rapid Colony Expansion
- Contract Breeding
- Surgical Services
- Tissue Collection
- Genotyping and Molecular Analysis
- Microbiome and Germ-Free Research Models and Services

## CHOOSE TACONIC

For more than 60 years, Taconic has anticipated the needs of the scientific community to deliver models and services that meet the diverse needs of biomedical and biopharmaceutical researchers.

Today that forward thinking and commitment to working collaboratively has resulted in a client-centric environment infused with a knowledge bank that allows you to select the optimum model for your study based on informed insight into the generation of genetically engineered mouse and rat models.

## 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 models.

## TALK TO A SCIENTIST

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

## TALK TO A REPRESENTATIVE

For general information, you can talk to a member of our customer service team. Our customer service team is here to help you make the right decisions and get the models you need fast. Contact us at [info@taconic.com](mailto: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](https://www.taconic.com)

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