

Neuroscience Portfolio

Easy Access to Relevant Models for Key Applications

A major challenge in neuroscience research and drug discovery is the lack of easy access to relevant animal models for use in screening drug candidates.

EXCLUSIVE TRANSGENIC ANIMAL MODELS FOR STUDY OF:

ALZHEIMER'S DISEASE

- ▶ APPSWE (Tg2576)
- ▶ Tau P301L (JNPL3)
- ▶ APPSWE-Tau (TAPP)
- ▶ Humanized APOE2, APOE3, APOE4
- ▶ APPSWE/PS1 (line Arte10) - *Now Available!*

PARKINSON'S DISEASE

- ▶ Mouse and rat models with LRRK2 or alpha synuclein mutations
- ▶ hTH-EGFP reporter rat

AMYOTROPHIC LATERAL SCLEROSIS (ALS)

- ▶ SOD1 rat

NEUROPSYCHIATRIC DISORDERS

- ▶ 1q21.1, 15q13.3, 22q11.2
Copy Number Variant (CNV) Models

AND MORE...

STANDARD STRAINS AND STOCKS FOR:

- ▶ Behavior
- ▶ Addiction
- ▶ Experimental Autoimmune Encephalomyelitis (EAE)
- ▶ Development
- ▶ Timed pregnant and aged animals available
- ▶ Services for neuroscience research, including:
 - ▶ Murine biospecimen collection
 - ▶ Aging
 - ▶ Special diet administration
- ▶ Study the intersection of neuroscience and microbiome:
 - ▶ Germ-free mice readily available
 - ▶ Compare strains at various health standards
 - ▶ Germ-free derivation of any commercially available mouse



Take Your Research Further

GEMs DESIGN

Taconic's Genetically Engineered Models (GEMs) Design empowers our clients with model generation solutions specifically suited to the unique needs of their discovery and development studies or therapeutic programs.

- ▶ Gene Inactivation
- ▶ Gene Mutation or Replacement
- ▶ CRISPR Gene Editing
- ▶ Easi-CRISPR
- ▶ Transgene Expression
- ▶ miRNA Expression
- ▶ Cohort Production Packages
- ▶ ExpressMODEL®

GEMs MANAGEMENT

Through unique breeding solutions, 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
- ▶ Germ-Free Derivation
- ▶ Fecal Microbiota Transplantation and Custom Associations

SUPERIOR COMMERCIAL MODELS

Taconic's extensive commercial collection of mice and rats allows customers easy access to superior off-the-shelf products, or provides an optimal foundation for additional modifications.

Product highlights include:

- ▶ The Taconic B6™ (C57BL/6NTac)
- ▶ Germ-Free Models Such as Black 6, BALB/c, Swiss Webster, Il10 Knockout
- ▶ CIEA NOG mouse®
- ▶ Aged APPSWE
- ▶ rasH2
- ▶ Diet-Induced Obese Black 6 Mice
- ▶ Humanized Mice

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



Get in touch for more information about our services.

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