

Animal Husbandry & Breeding

Dynamic, Comprehensive Housing and Husbandry Customized to your Research Goals

Not all rodent breeding projects carry the same requirements: specific housing conditions, husbandry methods, and strain-specific performance all warrant attention. This need for attention is often overlooked by researchers despite colony management carrying exponentially higher costs than model generation.

Taconic Biosciences® uniquely provides an interdisciplinary ecosystem of support with an emphasis on a comprehensive planning-driven approach to ensure the specific needs of every project are met at every stage. For the customer, this translates into breeding plans that achieve the best balance of the triple constraints of quality, speed, and price at a per-project level.



KEY BENEFITS

- ▶ Flexible housing venues to meet the needs of any project
- ▶ Direct import capabilities eliminate the need for rederivation
- ▶ Comprehensive integrated services provide end-to-end solutions
- ▶ Dedicated Project Managers complemented by on-demand project data via **eTACONIC® Platform**
- ▶ Planning-driven approach optimizes animal welfare, animal usage, and mitigates unexpected delays/costs

FLEXIBLE COLONY MANAGEMENT SOLUTIONS

AAALAC accredited housing options to fit any project



Isolated Barrier Units™ (IBU™)

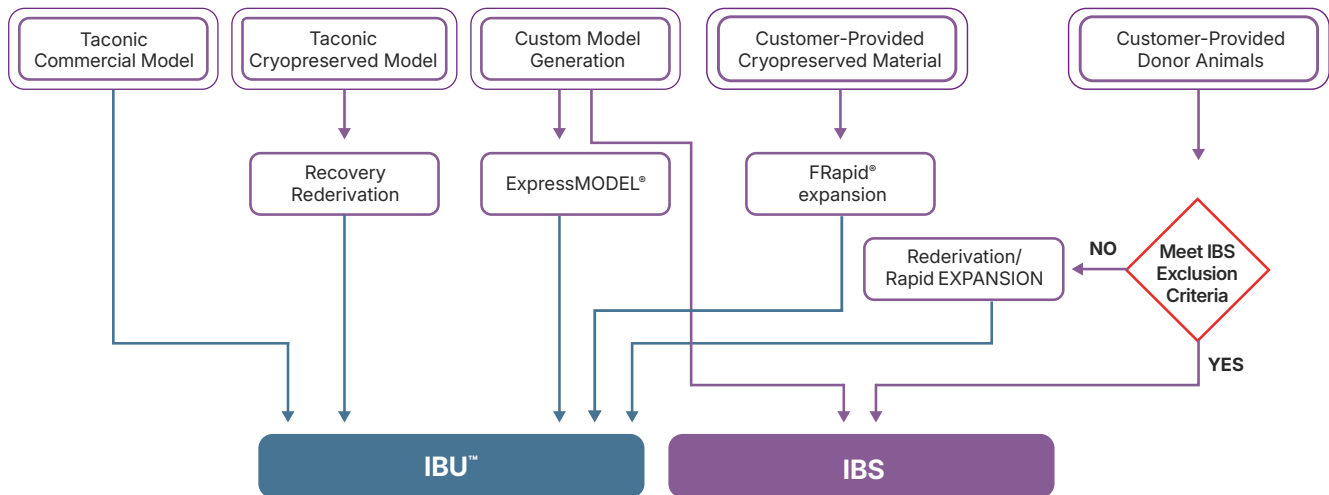


Isolator Breeding Solutions (IBS)

Bioexclusion based housing prevents microbial inter-colony cross-contamination	Biocontainment based housing maintain colonies at their entry condition
Commercial grade health standards and consistent environment aids experimental reproducibility	No rederivation required; immediately begin breeding after direct import
Animals must be rederived before entry (includes RapidEXPANSION/FRapid® expansion)	One year of historical health monitoring results required for entry
Ideal for large-scale production, aging, long-term projects, or those which fluctuate in size	Ideal for proof-of-concept projects, when speed-to-start and speed-to-cohort are critical, and when a consistent microbiome is required
Cost-effective long-term housing, microbial health monitoring included	Customizable microbial health monitoring to fit project needs and budget
Real-time access to project data and health reports through eTACONIC® Platform	Real-time access to project data and health reports through eTACONIC® Platform
Custom diet administration available	Administer custom diets/water, compounds, and special services/ monitoring

WHICH OPTION IS THE BEST SOLUTION?

Taconic offers the largest selection of health standards and housing options in the industry, including gnotobiotic and germ-free standards suitable for microbiome studies. We are uniquely positioned to migrate any project to any of our internationally harmonized health standards allowing full customization based on study needs. The most appropriate housing option is often initially determined by the source of the original donor animals or material used to start the colony.



COMPREHENSIVE INTEGRATED SERVICES

At Taconic, colony management is a cornerstone of who we are, reflecting the unique, holistic approach that is Taconic Cage+™. This approach wouldn't be possible without an array of integrated, supporting services. By leveraging robust embryological, surgical, and other scientific capabilities, Taconic can provide unprecedented synergy, speed to cohort, and speed to discovery and data. In short, redefining what researchers can expect from colony management.

PRECONDITIONING SERVICES

- ▶ Aging
- ▶ Custom diet administration, including medicated feed and high-fat diets
- ▶ Custom microbiome
- ▶ All services performed under IACUC approval and oversight

SURGICAL MODIFICATIONS

- ▶ Available in both mouse and rat
- ▶ Soft tissue and stereotaxic services available
- ▶ Vascular, brain, and metabolic catheter placements available
- ▶ Additional services available upon request

DATA COLLECTION SERVICES

- ▶ Recording of clinical observations
- ▶ Body weight monitoring available
- ▶ Blood glucose monitoring available
- ▶ Additional data collection services available upon request

ANIMAL IDENTIFICATION

- ▶ RFID solutions including customer provided devices
- ▶ Light-based scanning transponders available
- ▶ Individual tattoo identification available
- ▶ Standard metal, and barcoded RapID Tags® available

SPECIMEN COLLECTION

- ▶ Available for mouse and rat
- ▶ Tail and ear biopsy collection
- ▶ Blood, plasma, and serum collection available
- ▶ Fecal sample collection available



HEALTH STANDARDS AND MICROBIAL MONITORING

- ▶ IBU™ housing options available at all Taconic health standards and include microbial monitoring fees
- ▶ Customizable microbial monitoring available
- ▶ Microbial monitoring included (IBU™); biopsy and genotyping fees are not included (IBS/IBU™)
- ▶ Visit taconic.com/health-standardselector to determine your optimal health standard

STILL UNSURE OF THE CORRECT SOLUTION?

The Taconic Cage+™ ecosystem of support provides you with specialized expertise to understand your project in its entirety and solution accordingly. Allow our experts to learn about your study and earn your trust through proactive, expert-driven planning.

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

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