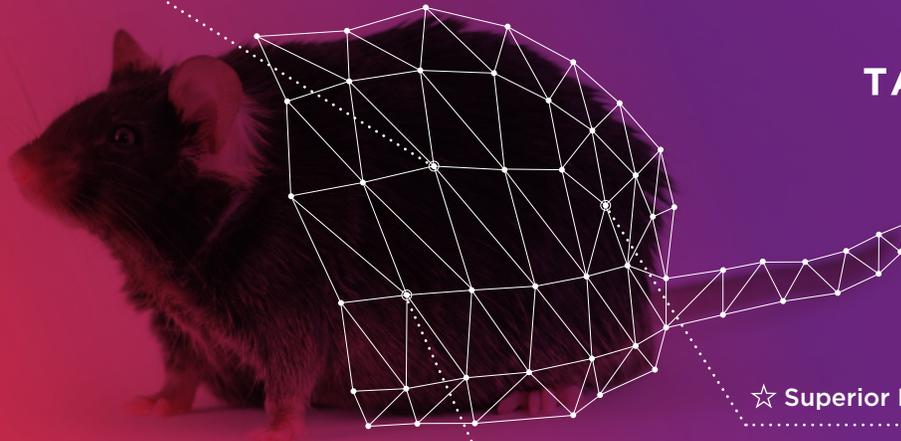


 Expertise



  
**TACONIC**  
Models For Life.™

★ Superior Products

 Unique Platforms

# Diet Induced **NASH B6** Mouse

Research on nonalcoholic steatohepatitis (NASH) urgently requires better availability of preclinical models. Taconic Biosciences is the first and only commercial vendor to offer an off the shelf diet-induced NASH model.

- ▶ Taconic maintains an inventory of C57BL/6NTac male mice conditioned on a modified Amylin liver NASH (AMLN) diet. Diet # D09100310i (source Research Diets) contains 40 kcal% fat, 20 kcal% fructose, and 2% cholesterol and is an irradiated diet.
- ▶ Off the shelf availability permits researchers to start studies immediately, saving months of conditioning time, and preserving vivarium space for active studies rather than conditioning cohorts.
- ▶ Uses the Taconic B6, which is the preferred C57BL/6 substrain for metabolic and cardiovascular studies.
- ▶ Phenotypic characterization of the NASH B6 model is ongoing. Literature reports of B6 mice fed similar diets report that mice become obese, get fatty liver and develop liver inflammation and fibrosis after 26+ weeks on diet, with inter-animal variability observed for development of the inflammation and fibrosis phenotype.
- ▶ Taconic also offers custom diet conditioning for any commercial or customer-provided strain as part of its Colony Management Solutions portfolio.

## ORDERING INFORMATION

Model #	Diet	Description
NASH-B6-M	D09100310i	Diet Induced NASH B6 mice
NASH-B6-CONTROL-M	NIH-31M	Control B6 mice on chow diet

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

US: 1-888-822-6642 | EU: +45 70 23 04 05 | [info@taconic.com](mailto:info@taconic.com) | Learn more at: [taconic.com](https://www.taconic.com)

# 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

# YOUR PARTNER

## WHAT WE DO

Taconic Biosciences is a fully-licensed, global leader in genetically engineered rodent models and services. Founded in 1952, Taconic provides the best animal solutions so that customers can acquire, custom-generate, breed, precondition, test, and distribute valuable research models worldwide.

## WHO WE ARE

Taconic has created a unique ecosystem of experts to provide our customers with the best animal model solutions. Whether it is choosing the right model for your study, designing a custom model, creating an efficient breeding plan, or providing expertise in critical support functions like veterinary science, genetics, and embryology; Taconic is ready to help you drive your research from idea to cure.

## CONTACT US

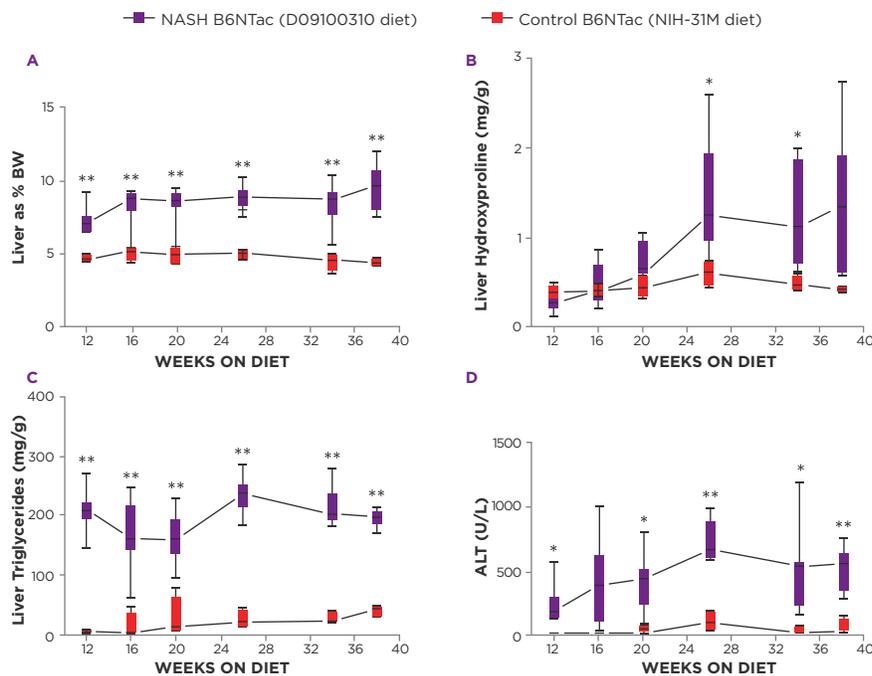
To get started, contact one of our customer service team members. Contact us at [info@taconic.com](mailto:info@taconic.com).

## VISIT TACONIC.COM

There is so much more to learn. Visit [taconic.com](http://taconic.com) to see our full breadth of animal model solutions and valuable resources.

**Figure 1**

Comparison between C57BL/6NTac mice placed on D09100310 diet (NASH B6NTac) or kept on chow diet (Control B6NTac) from 5 weeks of age. A) Liver weight as a percentage of total body weight. B) Liver hydroxyproline content. C) Liver triglycerides. D) Serum alanine aminotransferase levels (ALT). For each time point, n=8 for NASH B6NTac and n=4 for Control B6NTac. Different individual animals were used for each time point (i.e. data is not longitudinal by animal). \* and \*\* indicate statistical significance between NASH and control animals. Two-way ANOVA with multiple comparisons, with p-value<0.05\* or p-value<0.01\*\* Data provided by an anonymous pharmaceutical company.



**Figure 2**

Histopathology for C57BL/6NTac mice placed on D09100310 diet (NASH B6NTac) or kept on chow diet (Control B6NTac) from 5 weeks of age. Animals were on diet for 26 weeks (top set) or 38 weeks (bottom set). Picrosirius red (PSR) staining illustrates collagen I and III fibers, hematoxylin and eosin (H&E) staining illustrates steatosis. Two control and two NASH animals are shown for each time point, with PSR and H&E shown for the same individual animal. Different individual animals were used for each time point (i.e. data is not longitudinal by animal). Data provided by an anonymous pharmaceutical company.

