



Product Resources

OpenSource purified diets for lab animals

In-Stock Diets

Our in-stock custom diets provide a clean, open formula background on which to make modifications.

DIO Series Diets

Research Diets, Inc. is well known as the gold standard in high-fat diets for diet-induced obesity research worldwide.

Support

Research Diets, Inc. 9 full time Nutritional Scientists are ready to provide expert consultation for your next research project. info@researchdiets.com

Custom Diets

Making custom diets is our business. We have created over 30,000 Original formulas.

Add Compounds to Diet

Research Diets will incorporate your compounds into any experimental diet and ship within 5 to 7 days.

Vitamin and Mineral Deficient Diets

Create vitamin and mineral deficiencies which allows researchers to define the requirements of these nutrients.

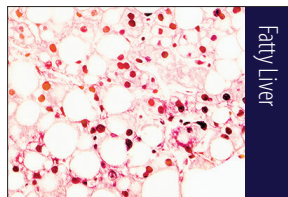
Diet-Induced Disease Models [visit our website](#)



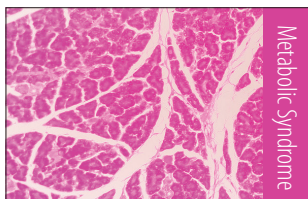
Obesity



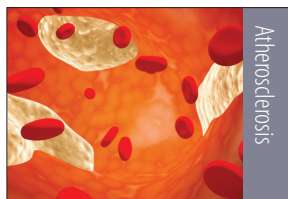
Diabetes



Fatty Liver



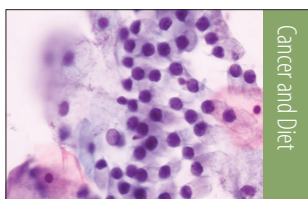
Metabolic Syndrome



Atherosclerosis



Hypertension



Cancer and Diet



Ketogenic



Immunology

Diet-Induced Obesity

Our in stock DIO series diets D12492 & D12451 are the most widely published diets in the obesity field. We have made hundreds of modifications to these formulas to meet individual researcher needs.

Diet Formula	Description
D12492	60 kcal% fat
D12451	45 kcal% fat

Control Diets

Control animals should be fed a diet matched in every way to the special diet, except of course for the dietary variable that the researcher is studying. Contact our scientists at info@researchdiets.com for a matching control diet formula.

OpenSource purified diets for lab animals

In-Stock Diets

These custom diets are kept in-stock in pelleted form and ready for shipment. Contact our scientists for help in finding the right formula for your research purposes. There are more than 30,000 formulas in our database created for specific studies.

	Diet Formula	Description
NAFLD	A06071302	L-Amino Acid Diet With 60 kcal% Fat With 0.1% Methionine and No Added Choline
	A02082002BR	Methionine and Choline Deficient L-Amino Acid Diet
	D09100310	Rodent Diet With 40 kcal% Fat (Mostly Palm Oil), 20 kcal% Fructose and 2% Cholesterol
AIN/OSD	D10001	AIN-76A Rodent Diet
	D10012G	AIN-93G Growing Rodent Diet
	D10012M	AIN-93M Mature Rodent Diet
	D11112201	OpenStandard Diet With 15 Kcal% Fat
HIGH FAT	D12079B	RD Western Diet
	D12108C	Clinton/Cybulsky High Fat Rodent Diet With Regular Casein and 1.25% Added Cholesterol
	D12266B	Purified Rodent Diet to Match Condensed Milk Diet (32.5 kcal% Fat)
	D12331	Rodent Diet With 58 kcal% Fat and Sucrose
DIO	D12492	Rodent Diet With 60 kcal% Fat
	D12451	Rodent Diet With 45 kcal% Fat
	D12450H	Rodent Diet Control 10 kcal% fat D12451 Match 17% Sucrose
	D12450J	Rodent Diet Control 10 kcal% fat D12492 Match 7% Sucrose
	D12450K	Rodent Diet Control 10 kcal% fat No Sucrose



Custom Diets ship in 5 to 7 business days anywhere in the world.

All our in-stock diets can be irradiated. To order irradiated diets add the letter "I" to the end of the diet number. For example D12492I.

NAFLD Diets

Methionine and Choline Deficient (MCD) Diets

Among the different approaches for diet-induced NAFLD in rodents, MCD diets produce the most severe NASH phenotype in the shortest timeframe. MCD diets are formulated with the replacement of whole protein (such as casein) in purified diets with crystalline amino acids and the removal of both methionine and choline.

Choline Deficient (CD) Diets

CD diets used in fatty liver disease studies tend to contain higher levels of fat (45-60 kcal%) and these diets can induce steatosis, inflammation and fibrosis without the reduction in body weight typically found when feeding MCD diets, making CD diets more appealing to some researchers.

High-Fat, High-Fructose, High-Cholesterol Diets

Rodents consuming high-fat (HF; ~40 kcal% fat including fats containing higher concentrations of saturated and trans fats), high-fructose (HFr), and high-cholesterol (HC) diets display many clinically relevant characteristics of NASH, along with other metabolic disorders. Our D09100310 has been commonly used to induce all three stages along the NASH spectrum (steatosis, NASH and fibrosis) along with metabolic disease in 26 weeks.

Visit our website at ResearchDiets.com to search by diet number, description, or ingredient for an OpenSource Diet for your study.



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