

# Scientists

## Helping Scientists Control Their Research . . . Let's start the conversation

Over 20,000 OpenSource Diets  
for Laboratory Animals



### Resource Center

Research Diets' scientists consult with our scientist customers around the world. In our conversation, we integrate information about the animal model, the desired phenotype and the published literature to arrive at suggested diet formulas. We can then produce and ship custom diets in 5 to 7 business days anywhere in the world.



### Custom OpenSource Diets®

Unlike other diet manufacturers, custom purified ingredient diet formulations are standard procedure for Research Diets-- Custom is our Standard. A key benefit of our OpenSource Diets is the complete control researchers have over the diet composition. By carefully designing the diet formulas, researchers can test the effects of small or large controlled changes in nutrient composition.



### Diet Induced Disease Models

Research Diets, Inc. (RDI) has over 30 years of collaborative research experience in the study of dietary factors on phenotype expression.

- ▶ Obesity
- ▶ Cancer
- ▶ Immunology
- ▶ Hypertension
- ▶ Diabetes
- ▶ Fatty Liver
- ▶ Atherosclerosis
- ▶ Metabolic Syndrome



### Incorporate Test Compounds

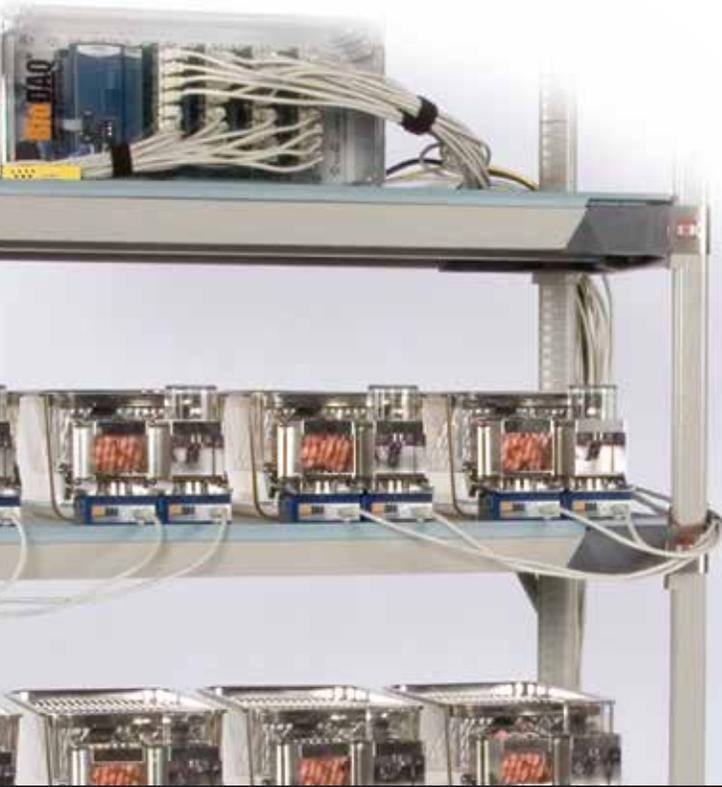
Research Diets, Inc. will incorporate your test compound into pelleted diets for simple, safe dosing. Feeding test compounds eliminates dosing related stress to the animal, eliminates vehicle effects, and saves time and labor.



# BioDAQ<sup>®</sup> Home Cage Phenotype Assessment

INTAKE MONITOR

Monitor up to 32 modules in a small footprint.



## BioDAQ Episodic Intake Monitor

BioDAQ E2 Episodic monitor measures ad libitum food and liquid intake behavior of singly housed lab rats and mice automatically in their home cage. Computer controlled electronics record individual feeding and drinking bouts, each comprised of unique start date/times, durations, and amounts. Graphic DataViewer software analyzes bout data quickly. Exports to Excel with the click of a button.



### Reduce Spillage

BioDAQ food modules limit the amount of diet spillage. Spillage is captured on the integrated tray at the hopper base.

### Reduce Stress

Specially modified standard home cages provide reduced novel-environment stress and shortened acclimation times. Animals can live chronically in BioDAQ cages. Researcher contact is limited by design, further reducing confounding stressors.

### Flexible

All the electronic components can be used for food or liquid monitoring, and for both rat and mouse hardware. Each species' cage mount can be used for food or liquid hoppers, maximizing flexibility.

## BioDAQ E3 Automated Gate Control

Program access by time or amount consumed

The BioDAQ Automated Gate Controller allows the investigator to program the gate to open or close at a specified time, and/or when a specified amount of food or liquid is consumed. The automated gate is featured on BioDAQ E3 and can be added to an existing BioDAQ E2 system by upgrading the Central Controller, laptop, and each sensor to be controlled.



# RESEARCH DIETS INC.

OpenSource  
DIETS<sup>®</sup>

BioDAQ<sup>®</sup>  
INTAKE MONITOR

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BioDAQ Intake Monitor

