



Penn Medicine

Perelman School of Medicine
University of Pennsylvania Health System

Penn Diabetes Research Center Rodent Metabolic Phenotyping Core

Director: Joseph Baur, Ph.D.
Technical Director: Jennifer Rojas, Ph.D.

In Vivo Rat Metabolic Services Request Form For Academic Investigators

Researcher's note: Penn Diabetes Research Center Rodent Metabolic Phenotyping Core users should arrange for the transfer of their animals to the RMPC protocol #804474, using the ULAR transfer form. RMPC users will be billed for per diem costs. Please contact the Technical Director, Jennifer Rojas at Jennifer.Rojas@penmedicine.upenn.edu.

Lab/PI:	Requestor:
Phone:	Request Date:
Email:	Account Number:

Please consider your experimental design before submitting your request—if you require certain tests to be done within a specific time frame, please notify us in advance.

Assays for rats	Sample number	Cost per rat	Total
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Costs for individual surgical services: Users are only charged for successful surgeries (animals healthy and functional, patent catheters):

Arterial or jugular catheterization		\$100	
Arterial and jugular catheterization		\$200	

Clamp procedures in the conscious, un-restrained rodent (includes surgery, analysis and hormones):

Hyperinsulinemic-euglycemic clamp: <i>This procedure will allow investigators to assess whole-body insulin action via the glucose infusion rate (GIR).</i>		\$450	
Hyperinsulinemic-euglycemic clamp with [3- ³ H]: <i>This procedure will allow investigators to assess whole-body insulin action (GIR) and to distinguish between insulin's effect on endogenous glucose production (EndoRa) and glucose utilization (Rd).</i>		\$600	
Hyperinsulinemic-euglycemic clamp with [3- ³ H] and [¹⁴ C] deoxyglucose: <i>This procedure will allow investigators to assess whole-body insulin action (GIR) and to distinguish between insulin's effect on endogenous glucose production (EndoRa), glucose utilization (Rd) and to examine insulin's effect on specific tissues (Rg; muscle, fat, heart, brain).</i>		\$800	
Hyperglycemic clamp: <i>This procedure will allow investigators to test the secretory capacity of pancreatic β-cells by monitoring insulin and C-peptide levels.</i>		\$450	
Per Diem Cage Costs		\$1.55/day	

Total \$

Kindly acknowledge the Penn Diabetes Research Center grant P30-DK19525, and the services of the Rodent Metabolic Phenotyping Core in all publications and presentations.

Please consider the following guidelines when determining whether co-authorship is warranted for core personnel: <https://abrf.org/authorship-guidelines>.