



**Penn
Medicine**

Institute for Diabetes, Obesity & Metabolism

MOUSE PHENOTYPING, PHYSIOLOGY & METABOLISM CORE

(Director: Rexford S. Ahima, M.D., Ph.D.)

Request for Services

Researcher's note: Please download and follow SOP instructions. Remember to acknowledge the Penn Diabetes Endocrine Research Center grant (P30DK19525) and the services of the Mouse Phenotyping, Physiology and Metabolism Core in any ensuing research publications.

Lab/PI:	Requestor:
Phone:	Fax:
Email:	Request date:
Protocol No:	Diet

Please consider your experimental design before submitting your request—if you require certain tests to be done within a time frame of each other, please notify us in advance. **MPPM Core Users should submit an IACUC protocol amendment, and arrange for the transfer of their mice to MPPM Core protocol #804474, using the ULAR transfer form. MPPM Core users will be charged for per diem costs, in addition to the fees for requested assays. Cancellations without 48 hours notice will result in full charges.**

Select	Assay	# of Samples	Unit Price	Minimum Order	Total
	Glucose Metabolism: 1. Glucose tolerance test 2. Insulin tolerance test		\$150/10 mice	\$150	
	3. Pyruvate Tolerance Test (Gluconeogenesis) 4. In vivo Insulin signaling (Bolus IV insulin injection + Tissue harvesting)		\$400/10 mice \$500/10 mice	\$400 \$500	
	Body Composition: 1. NMR (Fat/Lean) 2. DEXA 3. Grip Strength		\$50/ mouse \$50/mouse \$100/10 mice	\$250 \$250 \$100	
	Lipid Metabolism: 1. In vivo fatty acid oxidation (3H-Oleic acid) 2. In vivo triglyceride production rate		\$100/ mouse \$100/ mouse	\$500 \$500	
	Comprehensive Metabolic Monitoring 1. Energy Expenditure (3hrs) (EE) & Activity Monitoring 2. 24 hr. Energy Expenditure, Feeding, Drinking, Activity Monitoring and Sleep epochs. 3. Treadmill exercise and energy expenditure for 2hr.)		\$300/4 mice \$1000/4 mice \$300/4 mice	\$300 \$1000 \$300	

Total \$

Contact: Ravindra Dhir, PhD (Technical Director) (dhir2@mail.med.upenn.edu); 3400 Civic Center Blvd Building 421, 12-213, Philadelphia, PA 19104-5160; Ph (856)-562-9202 Fax (215) 746-8931



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Select	Assay	# of Samples	Unit Price	Minimum Order	Total
	Hyperglycemic clamp and insulin secretion		\$1500/5 mice	\$1500	
	Serum insulin ELISA		\$400/ 5 or 10 Mice	\$400	
	Cold tolerance test (room temp vs. 4°C; core temperature and BAT temperature measurements)		\$200/4 mice	\$200	
	Cold tolerance test and (room temperature vs. 4°C; Thermographic imaging)		\$200/4 mice	\$200	
	Blood pressure and heart rate (tail cuff method)		\$200/4 mice	\$200	
	Other Tests:				
	Other Tests:				

Total \$

Contact:

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