Penn Medicine
Perelman School of Medicine
University of Pennsylvania Health System

Penn Diabetes Research Center

MOUSE PHENOTYPING, PHYSIOLOGY & METABOLISM CORE
Director: Joseph Baur, Ph.D.
Technical Director: Jennifer Rojas, Ph.D.

Service Request Form

Researcher's note: Penn Diabetes Research Center Mouse Phenotyping, Physiology and Metabolism Core users should arrange for the transfer of their mice to the MMPM Core protocol #804474, using the ULAR transfer form. MPPM Core users will be billed for per diem costs. Please contact the Technical Director, Jennifer Rojas at Jennifer.Rojas@pennmedicine.upenn.edu. Kindly acknowledge the Penn Diabetes Research Center grant P30-DK19525, and the services of the Mouse Phenotyping, Physiology and Metabolism Core in all publications and presentations.

Lab/PI:	**Requestor:**
Phone:	**Request Date:**
Email:	**Account Number:**
Age of Mice:	**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.
Cancellations without 48 hour notice will result in full charges.

Select	Assay	No. Of Samples	Unit Price	Minimum Order	Total
Glucose Metabolism:					
	Glucose tolerance test (intraperitoneal)		$300/10 mice	$300	
	Insulin tolerance test (intraperitoneal)		$300/10 mice	$300	
	Pyruvate Tolerance Test (intraperitoneal) (Gluconeogenesis)		$400/10 mice	$400	
	In vivo insulin signaling (Bolus IV insulin injection +Tissue harvesting)		$500/10 mice	$500	
Body Composition:					
	NMR (Body fat, lean mass, body water). *Performed on live, un-anaesthetized animals.		$40/mouse	$200	
	DEXA (Body fat, lean mass, bone mass). *Performed on anaesthetized animals.		$50/mouse	$250	
Lipid Metabolism:					
	In vivo fatty acid oxidation (3H-Oleic acid)		$100/ mouse	$500	
	In vivo triglyceride production rate		$100/ mouse	$500	
Comprehensive Metabolic Monitoring					
	Columbus Instruments: 48 hour Energy Expenditure, Feeding, Drinking, locomotor activity monitoring and Sleep epochs.		$1000/5 mice	$1000	

Contact: Jennifer Rojas, Ph.D. (Technical Director) • Smilow Center for Translational Research, Room 12-115B • 3400 Civic Center Boulevard, Bldg 421 • Philadelphia, PA 19104 • Phone: 215-802-4028 • Email: Jennifer.Rojas@pennmedicine.upenn.edu

Penn Diabetes Research Center

MOUSE PHENOTYPING, PHYSIOLOGY & METABOLISM CORE
Director: Joseph Baur, Ph.D.
Technical Director: Jennifer Rojas, Ph.D.

	Treadmill exercise and 2 hour energy expenditure		$300/4 mice	$300	
	Columbus Instruments: 3 hour energy expenditure following adrenergic agonist stimulation (NE or CL).		$450/6 mice	$450	

Total $

Service Request Form

Researcher's note: Penn Diabetes Research Center Mouse Phenotyping, Physiology and Metabolism Core users should arrange for the transfer of their mice to the MMPM Core protocol #804474, using the ULAR transfer form. MPPM Core users will be billed for per diem costs. Please contact the Technical Director, Jennifer Rojas at Jennifer.Rojas@pennmedicine.upenn.edu. Kindly acknowledge the Penn Diabetes Research Center grant P30-DK19525, and the services of the Mouse Phenotyping, Physiology and Metabolism Core in all publications and presentations.

Lab/PI:	**Requestor:**
Phone:	**Request Date:**
Email:	**Account Number:**
Age of Mice:	**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.
Cancellations without 48 hour notice will result in full charges.

Select	Assay	# of Samples	Unit Price	Minimum Order	Total
	Cold tolerance test (room temp vs. 4°C; core temperature and BAT temperature measurements)		$200/4 mice	$200	
	Blood pressure and heart rate (tail cuff method)		$200/4 mice	$200	
	Insulin assay: Blood collection, processing and delivery to Biomarker core (ALPCO ELISA,10 µl for duplicate analysis)		$10/sample		
	Corticosterone assay: Blood collection, processing and delivery to Biomarker core (ALPCO ELISA,10 µl for duplicate analysis).		$10/sample		
	Other				
	Per diem charges		TBD	TBD	

Total $