

## Academic Industry-Initiated Cost for Services

Metabolic Regulation Core Cost for Services - Non-Vanderbilt (USA) Academic Investigator-Initiated Research

Surgical (only charged for successful surgeries (animal healthy, catheters functioning)).

Expand

### Costs (per mouse) for Vandy Clamp Procedures (includes surgery)

<b>Hyperinsulinemic euglycemic clamp with [3-<sup>3</sup>H] glucose</b> <i>This procedure will allow investigators to assess whole body insulin action and the ability of insulin to suppress endogenous (i.e. hepatic) glucose production.</i>	\$408
<b>Hyperinsulinemic euglycemic clamp with [2-<sup>3</sup>H] deoxyglucose</b> <i>This procedure will allow investigators to assess whole body insulin action and the rates of glucose uptake by multiple (e.g. brain, heart, muscle and fat).</i>	\$517
<b>Hyperinsulinemic euglycemic clamp with [3-<sup>3</sup>H] glucose and [14C] deoxyglucose</b> <i>This procedure will allow investigators to assess whole body insulin action, the ability of insulin to suppress endogenous (i.e. hepatic) glucose production and the rates of glucose uptake by multiple tissues (e.g. brain, heart, muscle and fat).</i>	\$536
<b>Hyperglycemic clamp</b> <i>This procedure will allow investigators to assess the ability of the pancreas to respond to an acute increase in glucose levels by monitoring the time course of insulin and c-peptide concentration.</i>	\$531
*** Note: typically to compare groups, 6-8 animals/group is needed. Prices do not include cost for shipping or quarantine.	

### Costs for Individual Surgical Services

Chronic Arterial and Jugular Vein Catheterization	\$126
Chronic Arterial or Jugular Vein Catheterization	\$72
Bariatric Surgery (Roux-en-Y Gastric Bypass and Biliopancreatic Diversion)	\$133
Bariatric Surgery (Vertical Sleeve Gastrectomy (VSG) and Sham	\$66
Portal Vein Catheterization	\$108
Surgical Implantation of Mini-Mitter® Telemetry Transmitter	\$258
Intracerebroventricular Cannulation (Lateral Ventricle; For Other Ventricles or Specific Nuclei Cannula Placement Contact Director)	\$96
Acute Arterial and Jugular Vein Catheterization	\$102
Acute Arterial or Jugular Vein Catheterization	\$60
Bladder Catheterization	\$13
*Other surgeries can be arranged with Director	
** Charges are per successful completed procedure	

### Costs for Individual Nonsurgical Services

Basal Arterial Samples	\$17
Treadmill Exercise Study (VO <sub>2</sub> max, endurance)	\$54
Body Temperature (Subcutaneous)	\$18
Sacrifice and Excise Tissue	\$12
Perfusion and Fixation	\$19
Urine Collection (1 mouse per metabolic cage)	\$2.40
Vein Blood Collection/Injection	\$3.60
Manual Measurement of Food Intake	\$3.90
Body Composition Analysis by NMR	\$12
Monitoring of Body Weight/composition Changes in Response to Long Term Diet Manipulation (cost/week + cost of diet)	\$18
Indirect Calorimetry using the Columbus Instruments Oxymax® System. Body Composition Analysis Included (84h of measurement; 8 mouse minimum)	\$66
Comprehensive Assessment of Energy Balance Using Promethion® System (indirect calorimetry, home cage activity, food intake, fluid intake, meal-patterning, wheel running). Body Composition Analysis Included. (84h of measurement; 8 mouse minimum)	\$79.20

<b>Measurement, 8 mouse minimum</b>	
Wheel-running Behavior Using Mini-Mitter® System. Body Composition Analysis Included. (84h of measurement; 8 mouse minimum)	\$72
Measurement of Core Body Temperature/Home Cage Activity by Remote Radiotelemetry(84h of measurement; 8 mouse minimum)	\$72
Basic Data Analysis for Promethion®, Mini-Mitter® and Telemetry Experiments *cost per experiment (not per mouse)	\$252
Intracerebroventricular (i.c.v.) Administration of Exogenous Compounds (including habituation)	\$36
Intraperitoneal (i.p.) Administration of Exogenous Compounds (including habituation)	\$18
Conditioned Taste Aversion, Pica assay, Diet Preference: Arrange with Director	
Telemetry (see Cardiovascular Pathophysiology and Complications Core)	
Imaging (e.g. confocal, Luminescence) see director	
Other Procedures can be arranged with director	
<b>Costs for Analytical Services</b>	
<i>Blood panel A (fresh whole blood only): Na, K, Cl, pH, pCO<sub>2</sub>, HCO<sub>3</sub>, base excess, anion gap, BUN, hemoglobin, hematocrit</i>	\$28.20
<i>Blood panel B (fresh whole blood only): K, iCa, pH, pCO<sub>2</sub>, pO<sub>2</sub>, sO<sub>2</sub>, TCO<sub>2</sub>, HCO<sub>3</sub>, glucose, hemoglobin, hematocrit</i>	\$21
Blood Glucose	\$8.40
Blood Glycosylated Hb	\$15.60
Blood Creatinine	\$15.60
Urine Albumin/Creatinine	\$15.60
<b>Resource Usage</b>	
Instructional Resources – Research assistant time (\$13.00 per hour) plus supply costs	
Research and Development: Arrange with Director	