

Department of Molecular and Comparative Pathobiology
Phenotyping Core PATHOLOGY Evaluation and Fee Schedule

More information <http://www.hopkinsmedicine.org/mcp/PHENOCORE/> - TEL: 410 502 3050

Phenocore@jhmi.edu

nforbes1@jhmi.edu

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Evaluation/Test	Discipline	Test Fee	Specimen	Container	Comments
Blood Removal Survival Facial Bleed	Hematology	\$15/mouse	Live animal	Temp. Mouse box	
Blood Removal Terminal Cardiac	Hematology	\$20/animal	Live animal	Temp Mouse Box	
Manual Blood Count RBC/WBC	Hematology	\$30/sample	50ul of anti-coagulated whole blood	Purple or green top blood collection tube	hemacytometer
Manual Differential	Hematology	\$10/sample	20ul of anti-coagulated whole blood	Purple or green top blood collection tube	DifQuik
Automated CBC ¹ + UNstained Smear	Hematology	\$10/sample	50ul of anti-coagulated whole blood	Purple or green top blood collection tube	
Gross Necropsy + Report (no tissue saved) <i>Teaching/Training Case</i>	Anatomic Pathology	\$35/mouse	Live animal + necropsy submission form	Temp. Mouse box	
Gross Necropsy + Report (tissue saved, no histo) <i>Teaching/Training Case ²</i>	Anatomic Pathology	\$60/mouse	Live animal + necropsy submission form	Temp. Mouse box	
Gross Necropsy, 10 Slides, Histopathology + Report <i>Teaching/Training Case ³</i>	Anatomic Pathology	\$100/mouse	Live animal + necropsy submission form	Temp. Mouse box	10 slide Standard protocol > 40 tissues evaluated
Special Dissections, Special requests & procedures	Anatomic Pathology	Collaboration or From \$30/hour additional			<i>Project Collaborations preferred</i>
Partial Necropsy, or Fixed tissues <i>Teaching/Training Case</i>	Anatomic Pathology	Collaboration or From \$20/slide	Fresh, or fixed tissue + submission form		<i>Project Collaborations preferred</i>
Glass slide Evaluation Pathology Consult	Anatomic Pathology	Collaboration or From \$20/slide	Glass Slides + submission form		<i>Project Collaborations preferred</i>
Research Pathology By project	Anatomic +/- clinical Pathology	Collaboration			<i>Project Collaborations preferred</i>
Albumin (Alb)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Alkaline Phosphatase (ALP)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Alanine Aminotransferase (ALT)	Clinical Chemistry	\$6/sample	160ul whole blood or 80ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative

¹ Specimens with clots or <50ul may be rejected because they may damage our equipment and give misleading results.

² Final reports for Gross only teaching/training cases are normally completed within 24 hr. Research personnel are encouraged to participate.

³ Final reports for Standard 10 slide teaching/training cases are normally completed within 2 weeks. Research personnel are encouraged to participate in the necropsy. Photographs and special procedures are additional costs, by previous agreement only. Slides are retained by MCP.



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Amylase (Amy)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Aspartate Aminotransferase (AST)	Clinical Chemistry	\$6/sample	160ul whole blood or 80ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Blood Urea Nitrogen (BUN)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Calcium (Ca)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Cholesterol (Chol)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Creatine Kinase (CK)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Creatinine (Cr)	Clinical Chemistry	\$6/sample	160ul whole blood or 80ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Gamma GT (GGT)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Glucose (Glu)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
High Density Lipoprotein (HDL)	Clinical Chemistry	\$6/sample	140ul whole blood or 70ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Lactate Dehydrogenase (LDH)	Clinical Chemistry	\$6/sample	140ul whole blood or 70ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Low Density Lipoprotein (LDL-Direct)⁴	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Total Protein (TP)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Triglyceride (Trg)	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Uric Acid	Clinical Chemistry	\$6/sample	120ul whole blood or 60ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	50ul dead space exists. Each test is not cumulative
Electrolytes Sodium, Potassium, Chloride	Clinical Chemistry	\$10/sample	500ul whole blood or 250ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Short Liver AST, ALT	Clinical Chemistry	\$10/sample	200ul whole blood or 100ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Long Liver Panel Alb, ALP, ALT, AST, Glu, TP, LDH	Clinical Chemistry	\$20/sample	240ul whole blood or 120ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Short Renal Panel BUN, Creat	Clinical Chemistry	\$10/sample	200ul whole blood or 100ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Long Renal Panel Alb, BUN Ca, Creat, Na, K, CL, TP	Clinical Chemistry	\$20/sample	540ul whole blood or 270ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Lipid Panel Chol, Trg, LDL, HDL	Clinical Chemistry	\$20/sample	300ul whole blood or 150ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Mini Screen ALT, BUN, Glu, Tpro	Clinical Chemistry	\$15/sample	200ul whole blood or 100ul serum (min)	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	



LDL measurement or calculations are not recommended for mice & rats



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Super Chem Lytes, Alb, AST ALT, Ca ALP, BUN, Glu, Chol, Amy, LDH, Cr	Clinical Chemistry	\$30/sample	700ul whole blood or 350ul serum (min)	Yellow or red top blood collecting tube (blood)/ Live Animal (serum)	
Specific Panel <5	Clinical Chemistry	\$20/sample	Varies	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Specific Panel 5-11	Clinical Chemistry	\$25/sample	Varies	Yellow or red top blood collecting tube (blood)/ Plain plastic tube (serum)	
Urine Specific Gravity	Urinalysis	\$10/sample	60ul fluid(min)	Plain plastic or glass capped tube	No radioactive material
Urine Chemistry	Urinalysis	\$10/sample	40ul fluid (min)	Plain plastic or glass capped tube	No radioactive material
Urine/Fluid Cytospin	Urinalysis	\$10/sample	100ul fluid (min)	Plain plastic or glass capped tube	No radioactive material
Urine/Fluid Cytospin plus Staining	Urinalysis	\$15/sample	100ul fluid (min)	Plain plastic or glass capped tube	No radioactive material
Digital Photo – Live animal	Imaging	\$30/hour	Live Animal	Temp. Mouse box	
Digital Photo- Specimen	Imaging	\$30/hour	Fresh, frozen or fixed tissue	Specimen Bag	
Photography Video	Imaging	\$30/hour	Live Animal	Temp. Mouse box	
Faxitron	Imaging	By project	Fresh, frozen or fixed tissue or animal	Specimen Bag	
Clinical Behavioral Assessment	Behavioral	\$35/animal	Live Animal	Temp. Mouse box	
Advanced Neuro-Behavior Assessment	Behavioral	\$65/animal	Live Animal	Temp. Mouse box	
Fecal Floatation	Parasitology	\$10/animal	5 pellets	Plain plastic or glass capped tube	Random picked from middle and corners of cage
Cellophane Test	Parasitology	\$10/animal	Live animal	Temp. Mouse box	

