

**Johns Hopkins**  
 Dept. of Mol. & Comp. Pathobiology  
 Diagnostics & Phenotyping  
 443-287-0917

*When requesting BOTH CBC and Chemistry from the same specimen., use Green lithium heparin tubes (G). Otherwise, use lavender EDTA tube (L) for hematology, and any serum tube (Y) for chemistry.*

**SPECIMEN REQUIREMENTS**  
 G Green – Heparin E Eppendorf  
 L Lavender – EDTA Y Yellow -  
 Serum Gel separator tubes may yield cleaner serum or plasma specimens.

**Print completed form & submit with specimens to BRB 840 or save it, and email as attachment to [Nadine Forbes](#)**



|                      |  |      |
|----------------------|--|------|
| DATE                 |  | 2009 |
| INVESTIGATOR         |  |      |
| BUDGET NUMBER        |  |      |
| CONTACT NUMBER       |  |      |
| CONTACT PERSON       |  |      |
| MCP PATH Accession # |  |      |

| CHEMISTRY PANELS   | BLOOD VOLUME |   |                              |
|--|--------------|---|------------------------------|
| <input type="checkbox"/> Super Chem + CBC <input type="checkbox"/> (G)                           | >700ul       | <input type="checkbox"/> Mouse  | <input type="checkbox"/> Rat |
| <input type="checkbox"/> Super Chem <input type="checkbox"/> (Y) <input type="checkbox"/> (G)    | >700ul       | <input type="checkbox"/> Rabbit   | <input type="checkbox"/> Dog |
| <input type="checkbox"/> Mini Screen <input type="checkbox"/> (Y) <input type="checkbox"/> (G)   | >200ul       | <input type="checkbox"/> Cat  |                              |
| <input type="checkbox"/> Long Renal <input type="checkbox"/> (Y) <input type="checkbox"/> (G)    | >550ul       | <input type="checkbox"/> NHP: _____   |                              |
| <input type="checkbox"/> Long Liver <input type="checkbox"/> (Y) <input type="checkbox"/> (G)    | >240ul       | <input type="checkbox"/> Other: _____   |                              |
| <input type="checkbox"/> Cardiac Risk <input type="checkbox"/> (Y) <input type="checkbox"/> (G)  | >200ul       | HEMATOLOGY  |                              |
| <input type="checkbox"/> Short Liver <input type="checkbox"/> (Y) <input type="checkbox"/> (G)   | >200ul       | <input type="checkbox"/> CBC, Diff, smear <input type="checkbox"/> (L) <input type="checkbox"/> (G)   | <b>BLOOD VOLUME</b>          |
| <input type="checkbox"/> Short Renal <input type="checkbox"/> (Y) <input type="checkbox"/> (G)   | >200ul       | <input type="checkbox"/> CBC, Diff, stained smear <input type="checkbox"/> (L) <input type="checkbox"/> (G)   | >30ul                        |
| <input type="checkbox"/> Electrolytes <input type="checkbox"/> (Y) <input type="checkbox"/> (G)  | >500ul !     | <input type="checkbox"/> CBC, Diff w/o smear <input type="checkbox"/> (L) <input type="checkbox"/> (G)  | >30ul                        |
| Individual Chemistry Tests   |              | CBC results <input type="checkbox"/> Paper (default) <input checked="" type="checkbox"/> XL email   |                              |
| <input type="checkbox"/> Albumin <input type="checkbox"/> (Y) <input type="checkbox"/> (G)       | >120ul       | URINE   |                              |
| <input type="checkbox"/> ALP <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >120ul       | <input type="checkbox"/> Complete Urine (E)   | <b>VOLUME</b>                |
| <input type="checkbox"/> ALT <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >160ul       | <input type="checkbox"/> Specific Gravity (E)   | >1ml                         |
| <input type="checkbox"/> Amylase <input type="checkbox"/> (Y) <input type="checkbox"/> (G)       | >120ul       | <input type="checkbox"/> Glucose (E)  | >50ul                        |
| <input type="checkbox"/> AST <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >160ul       | <input type="checkbox"/> Bilirubin (E)  | >10ul                        |
| <input type="checkbox"/> BUN <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >120ul       | <input type="checkbox"/> Ketones (E)  | >10ul                        |
| <input type="checkbox"/> Calcium <input type="checkbox"/> (Y) <input type="checkbox"/> (G)       | >120ul       | <input type="checkbox"/> Blood (E)  | >10ul                        |
| <input type="checkbox"/> Cholesterol <input type="checkbox"/> (Y) <input type="checkbox"/> (G)   | >120ul       | <input type="checkbox"/> pH (E)   | >10ul                        |
| <input type="checkbox"/> CK <input type="checkbox"/> (Y) <input type="checkbox"/> (G)            | >120ul       | <input type="checkbox"/> Protein (E)  | >10ul                        |
| <input type="checkbox"/> Creatinine <input type="checkbox"/> (Y) <input type="checkbox"/> (G)    | >160ul       | <input type="checkbox"/> Urobilinogen (E)   | >10ul                        |
| <input type="checkbox"/> GGT <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >120ul       | <input type="checkbox"/> Nitrite (E)  | >10ul                        |
| <input type="checkbox"/> Glucose <input type="checkbox"/> (Y) <input type="checkbox"/> (G)       | >120ul       | <input type="checkbox"/> Leukocytes (E)   | >10ul                        |
| <input type="checkbox"/> HDL <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >140ul       | OTHER   |                              |
| <input type="checkbox"/> LDH <input type="checkbox"/> (Y) <input type="checkbox"/> (G)           | >140ul       | <input type="checkbox"/> Cytospin w/ stain <input type="checkbox"/> (E) <input type="checkbox"/> (L) <input type="checkbox"/> (G) <input type="checkbox"/> other  |                              |
| <input type="checkbox"/> Total Protein <input type="checkbox"/> (Y) <input type="checkbox"/> (G) | >120ul       | <input type="checkbox"/> Cytospin w/o stain <input type="checkbox"/> (E) <input type="checkbox"/> (L) <input type="checkbox"/> (G) <input type="checkbox"/> other |                              |
| <input type="checkbox"/> Triglyceride <input type="checkbox"/> (Y) <input type="checkbox"/> (G)  | >120ul       | Specimen ID Numbers:  |                              |
| <input type="checkbox"/> Uric Acid <input type="checkbox"/> (Y) <input type="checkbox"/> (G)     | >120ul       |   |                              |

**Other Requests**, including tests to be prioritized:

**Panels**

- Super Chem: Alb, ALP, ALT, Amylase, AST, BUN, Ca, CK, Creatinine, GGT, Glucose, Electrolytes, LDH, TPro, Trigly, Uric Acid
- Mini Screen: ALT, BUN, Glucose, TPro
- Long Rena: Alb, BUN, Ca, Creatinine, Glucose, Electrolytes, TPro
- Long Liver: Alb, ALP, AST, ALT, TPro, Bilirubin, LDH
- Short Renal: BUN, Creatinine
- Short Liver: AST, ALT
- Electrolytes: Sodium, Chloride, Potassium
- Cardiac Risk: Chol, Trigly, HDL (\*\* HDL tested on more than 10 samples or contact lab), LDH, CK

**Specimens must be submitted by 4pm.**  
**Contact Lab to schedule large groups of specimens or special tests.**