

## *Minimum Blood Amounts Needed*

<b>Minimum Amounts of Blood Needed for Laboratory Tests on Adults (Assuming Hematocrit of Approximately 50%)</b>	
Basic Metabolic Panel	1 mL in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Bilirubin, Total and Direct	1 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Bilirubin, Total Only	1 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Blood Cultures	1 cc in 1 or 2 Pediatric Blood Culture Bottles
Calcium	1 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
CBC	1 cc in 3 cc EDTA (small lavender top tube) or 1 lavender-top MICROTAINER®
Comprehensive Metabolic Panel	2 mL in green-top tube or red-top tube or 2 yellow or green MICROTAINERS®
Electrolytes and Glucose	1 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Electrolytes Panel	1 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Glucose	0.5 cc in green-top tube or red-top tube or 1 yellow or green MICROTAINER®
Protein Electrophoresis, Serum	5 mL in red-top tube
Type and Crossmatch	1 cc in lavender-top tube
Most Enzymes	1 mL in green-top tube or red-top tube or 1 yellow or green MICROTAINER®

<b>Minimum Blood Requirements for Tests Drawn in NICU and Pediatrics</b>		
<b>Chemistry Test Name</b>	<b>MICROTAINER®</b>	<b>Amount</b>
Basic Metabolic Panel	Green	0.6 cc
Glucose Only	Green	0.4 cc
Comprehensive Metabolic Panel	Green	0.6 cc
Total Bilirubin/Direct Bilirubin	Green	0.4 cc
Total Bilirubin with Other Chemistry Test	Green	0.6 cc
<b>Hematology Test Name</b>	<b>MICROTAINER®</b>	<b>Amount</b>
CBC with differential	Purple	0.4 cc
CBC with Reticulocyte	Purple	0.4cc
CBC without differential	Purple	0.4cc

<b>Special Chemistry Tests Following</b>
Each of the tests listed below require a full, MICROTAINER® which is 0.6 cc.
Gentamicin (green or yellow MICROTAINER®)
Vancomycin (yellow MICROTAINER® only)
Theophylline (green or yellow MICROTAINER®)
Phenobarbital (green or yellow MICROTAINER®)
Alkaline Phosphatase (green or yellow MICROTAINER®)
Phosphorus (green or yellow MICROTAINER®)
Digoxin (yellow MICROTAINER®)
Phenytoin (green or yellow MICROTAINER®)
Valproic Acid (green or yellow MICROTAINER®)
<b>Coagulation Tests</b>
PT & PTT (Either or Both) *1.8 mL blue top (1.8 mL must be drawn for either or both PT & PTT)
*Reduced volume may be drawn. See procedure for amounts of blood and anticoagulants for neonates for PT, PTT, and fibrinogen.