








Neonatal Blood Collection Guide

Chemistry - Plasma	Lab Tests - Serum	Hematology and Blood Bank	Coagulation					
 <p>Green Top Microtainer (Lithium Heparin)</p> <p>Fill Between 400 and 600 µl</p> <p>600 µl</p> <p>400 µl</p> <p>Blood Collection Volume Needs Vary See Tests next Page</p>	 <p>Gold Top Amber Microtainer</p> <p>Fill Between 400 and 600 µl</p> <p>600 µl</p> <p>400 µl</p> <p>Blood Collection Volume Needs Vary See Tests next Page</p>	 <p>Lavender Top Microtainer (EDTA)</p> <p>Fill to 500 µl (Requesting 500) (Must be between 250 and 500)</p>	 <p>Blue Top 1.0 mL (1,000 µl)</p> <p>--- Fill Line, Full</p> <p>Tube Fill Volume is Critical On the Line, Not More or Less</p>					
<p>Sample Collection Reminders</p> <ul style="list-style-type: none"> • Avoid Bubbles • Mix blood promptly with anticoagulants by gently inverting 10 times • Label Specimens • Band for Blood Bank for Type & Screen • Send Samples to the Lab without delay • Call the Lab with any questions 414-5010 	 <p>Tuberculin ABG Syringe w/Balanced Heparin</p> <p>300 µl (0.3 mL)</p> <table border="1" data-bbox="531 1258 974 1396"> <tr> <td>Tests</td> <td>Blood Gas</td> <td>Ionized Calcium</td> </tr> </table>	Tests	Blood Gas	Ionized Calcium	<p>Hematology Tests – One Tube* CBC, Differential, Reticulocytes, Platelets</p> <p>Blood Bank Tests – One Tube* Type & Screen, Direct Coombs</p> <p><i>*Hematology and Blood Bank tubes cannot be shared</i></p>	<p>Prothrombin Time (PT)</p> <p>PTT</p>	<p>D-Dimer</p> <p>Fibrinogen</p>	<p>Thrombin Time</p>
Tests	Blood Gas	Ionized Calcium						
<p>Note: For neonates only (≤ 30 days old)</p>								



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Chemistry Panels			Individual Chemistries	
Electrolytes Panel CO2 Chloride Potassium Sodium Draw Volume 35 µl + 125 µl Equals 160 µl Green or Gold	Basic Metabolic Panel CO2 Chloride Potassium Sodium BUN Calcium Creatinine Glucose Draw Volume 85 µl + 125 µl Equals 210 µl Green or Gold	Comprehensive Metabolic Panel CO2 Chloride Potassium Sodium BUN Calcium Creatinine Glucose ALT Albumin Alkaline Phosphatase AST Bilirubin, Total Protein, Total Draw Volume 165 µl + 125 µl Equals 290 µl Green or Gold	Tests (Green or Gold except as noted) Bilirubin, Direct Bilirubin, Total (or Bilirubin, Total Under 1 month) Bilirubin: Total, Direct, and Indirect (or Bilirubin, Neonatal: Total, Direct and Indirect) Cortisol CRP Gentamicin Lactate (Grey top on ice) Magnesium Phenobarbital Phosphorus Procalcitonin T4, Free Triglycerides TSH Vancomycin Vitamin D, 25-OH total (Gold only - Serum)	Draw Volume µl * 18 18 18 18 9 66 500 9 9 33 600 27 6 90 6 36
Sendout Tests	Sample Type	Draw Volume µl	* Total the Individual Volumes, then add 125 µl (once per group of Tests)	
Caffeine	Gold - Serum	500 µl	<p>Note: For neonates only (≤ 30 days old)</p>	
CMV PCR	Purple (EDTA) - plasma	2 Microtainers, 500 µl each		
HIV 1 NAT, Qualitative	Gold – Serum or Purple (EDTA) - plasma	2 Microtainers, 500 µl each		
Toxoplasma gondii PCR	Purple (EDTA) - whole blood	500 µl		
Karyotype (Shodair)	Sodium heparin (special) -whole blood	1,000 µl		
Microarray (Shodair)	Purple (EDTA) – whole blood	2 Microtainers, 500 µl each		
Parvo virus PCR	Blood: Purple (EDTA) – plasma, 2 Microtainers, 500 µl each Other: Amniotic fluid, spinal fluid, synovial fluid or bone marrow only. Synovial and bone marrow in EDTA. Others in sterile container.			