

# LPCH

## Minimum Whole Blood Volume for Lab Testing

### A. CHEMISTRY TESTS:

- If you have any additional test(s) with the combinations listed below, please collect an additional FULL Microtainer™ tubes.
- If the Microtainer™ tubes are not completely filled or if hematocrit is > 60%, you need to collect blood into an additional Microtainer™ tube to meet the minimum blood volume requirements for the tests.

TESTS or ANALYTES	TUBE or CONTAINER <i>Use gold or mint</i>	DRAW VOLUME WHOLE BLOOD
Individual chemistry analytes (up to 10)	1 FULL Microtainer™ tube	0.6 ml
Chem 10 panel	1 FULL Microtainer™ tube	0.6 ml
Met B panel	1 FULL Microtainer™ tube	0.6 ml
Met C panel	2 FULL Microtainer™ tubes	1.2 ml
Lipid Panel	1 FULL Microtainer™ tube	0.6 ml
Chem 23 panel + Lactate(on ice)	2 FULL Microtainer™ tubes	1.2 ml
Met B panel + Lipid panel + CRP*	2 FULL Microtainer™ tubes	1.2 ml
Met C panel + Lipid panel + CRP*	2 FULL Microtainer™ tubes	1.2 ml

\*CRP = C-reactive protein

## B. HEMATOLOGY & COAGULATION TESTS:

- Tube must be filled up to the line to ensure the anticoagulant to blood ratio is met. Avoid overfilling (above the top line).
- Improperly filled tubes for Hematology and Coagulation tests can affect the quality of test results.

TEST or ANALYTE	TUBE or CONTAINER	DRAW VOLUME WHOLE BLOOD
CBC with or without diff ; and platelet count	1- lavender MAP*	0.5ml
Hematocrit or Hemoglobin or both	1- lavender MAP*	0.5ml
WBC with or without diff	1- lavender MAP*	0.5ml
Platelet count only	1- lavender MAP*	0.5ml
Fibrinogen	blue top tube (Na Citrate)	1.8ml
PT & PTT, or if ordered singly	blue top tube (Na Citrate)	1.8ml

\*MAP = Microtube for Automated Process with K2 EDTA

## C. MICROBIOLOGY & TRANSFUSION

TEST or ANALYTE	TUBE or CONTAINER	DRAW VOLUME WHOLE BLOOD
Blood culture	<ol style="list-style-type: none"> <li>1. Adult peds:</li> <li>2. Babies</li> <li>3. other</li> </ol>	<ol style="list-style-type: none"> <li>1. 20 ml (10 ml for aerobic &amp; 10 ml for anaerobic)</li> <li>2. collect blood based on baby's weight; use reference guide</li> <li>3. 1.0 ml (0.5 ml in each bottle) only in exceptional cases when Blood Culture is absolutely necessary</li> </ol>
ABO Rh only (Transfusion)	2 - lavender MAP*	1.0 ml

Type & Screen (& ABO Rh)	3 - lavender MAP*	1.5 ml
Blood type verification (forward type only)	1 - lavender MAP*	0.5 ml

**\*MAP – Microtube for Automated Process with K2 EDTA**

**ADDITIONAL NOTES:**

- Follow blood collection policy and labeling policies
- Need help? PS call Lab Customer Service at (650) 724-4750