

JOB AID NEONATE MINIMUM BLOOD VOLUMES

TEST	WHOLE BLOOD VOLUME MINIMUM	WHOLE BLOOD VOLUME PREFERRED	TUBE TYPE	COMMENTS
ABGs	0.3 mL	0.8 mL	Heparanized syringe	Run x 1
ABO/Rh - Cord	0.5 mL	Same	Cord Blood	Usually performed on cord blood collected at birth. Avoid Hemolysis
ABO/Rh – non-Cord	0.5 mL	0.5 mL	Lavender EDTA bullet	
Basic Metabolic Panel	0.3 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
Bilirubin, Direct	0.2 mL	0.6mL	Green/Gel bullet OR Amber Bullet	Avoid Hemolysis
Bilirubin, Total	0.2 mL	0.6 mL	Green/Gel bullet OR Amber Bullet	Avoid Hemolysis
Blood Culture	Infant – 0.1 mL Pediatric 0.5 mL	Infant – 0.5 mL Pediatric – 1.0 mL	Silver Aerobic culture bottle	Inoculate: Infant: 0.1 – 0.5 ml into Aerobic silver bottle Pediatric: 0.5 – 1.0 ml into Aerobic silver bottle
CBC	0.3mL (just above lower fill line)	0.5 mL (just to upper fill line)	Lavender bullet EDTA	Mix often while filling
Comprehensive Metabolic Panel	0.6 mL	1.2 mL	Green/Gel bullet	Avoid Hemolysis
Coombs, Direct Cord	0.5 mL	Same	Cord Blood	Avoid Hemolysis
Coombs, Direct non-Cord	0.5 mL	0.5 mL	Lavender EDTA bullet	Avoid Hemolysis
Coombs, Indirect	Performed on mother's blood only			
Crossmatch	0.5 mL	0.5 mL	Lavender bullet EDTA	Avoid Hemolysis MUST BE ARMBANDED
Digoxin	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
Dilantin	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
ESR (Sed Rate)	0.3 mL	0.5 mL	Lavender bullet EDTA	Mix often while filling
H&H (Hemogram)	0.3 mL (above lower line)	0.5 mL (just to upper line)	Lavender bullet EDTA	Mix often while filling
Hepatitis Panel	1.2 mL	2.4 mL	Yellow/Red Gel bullet	Avoid Hemolysis
HIV	0.6 mL	1.2 mL	Yellow/Red Gel bullet	Avoid Hemolysis
Lytes	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
Phenobarbitol	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
Procalcitonin, R or S	0.2 mL	0.5 mL	Green/Gel bullet	-
PT/PTT	2 or 3 mL blue top filled to line	Same	Underfilled tubes are not acceptable.	0.3mL of waste if drawn from lines. See coag instruction sheet. *
Retic Count	0.3mL (above lower line)	0.5mL (just to upper line)	Lavender bullet EDTA	Can be done with CBC. Fill Lavender bullet to upper fill line.
Single Chemistry Analyte i.e. Sodium	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
T4 and T3 Uptake	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
Theophylline	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis
TSH	0.2 mL	0.6 mL	Green/Gel bullet	Avoid Hemolysis

Re-collection may be requested if specimen is QNS or unsatisfactory, hematocrit is elevated, there are instrument problems, or if test needs to be repeated.

Microtainer - Bullet	Volume (if full)	Microtainer - Bullet	Volume (if full)
1 red gel bullet	0.6 mL whole blood	1 lavender raised bottom bullet	0.5 mL whole blood
1 green gel bullet	0.6 mL whole blood	1 pink/lavender bullet	0.5 mL whole blood
1 yellow/amber gel bullet	0.6 mL whole blood	1 red no gel bullet	0.5 mL whole blood