

## LABORATORY PANELS, SAMPLE REQUIREMENTS AND TURNAROUND TIMES FOR SPECIAL NEED PATIENTS

PANEL	VACUTAINER						CONTAINER NOTES	SPECIMEN VOLUME		STAT TURN AROUND TIME **
	Lavender	Gold	Red	Green	Blue	# of Tubes		Preferred	Minimum	
<b>Basic Metabolic Panel</b> (Na, K, CO <sub>2</sub> , Ca, Glucose, BUN, Creatinine)		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Comp. Met Panel</b> (Na, K, Cl, CO <sub>2</sub> , Ca, Glucose, BUN, Creat., T.Prot., Alb, Tbil, AlkPhos, ALT, AST)		*	*	P		1		500 mcL	400 mcL	45-60 min
<b>Electrolytes</b> (Na, K, Cl, CO <sub>2</sub> )		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Neo Growth</b> (Ca, Phos, Alb, PreAlb, Alk Phos)		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Neo Liver</b> (Chol, Trig, SGOT, Dbil)		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Neo Lytes II</b> (Na, K, Cl, Tbil)		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Neo Renal II</b> (Na, K, Cl, BUN, Creat, Mg)		*	*	P		1		500 mcL	300 mcL	45-60 min
<b>Neo Retic/HCT</b>	*					1		500 mcL	250 mcL	45-60 min
<b>Neo TPN</b> (Ca, Dbil, Phos, Chol, Trig, SGOT, PreAlb, Alb, AlkPhos)		*	*	P		1		500 mcL	400 mcL	45-60 min
<b>PT/PTT</b>					P!	1	Must be venous specimen.	0.9 mL	0.9 mL	45-60 min

P = Preferred      \* = Acceptable

\*\*Based on Preferred Vacutainer and sample volume

- All specimens are whole blood volume.
- Sample volume must be full 1.8 mL on all blue tops. Short samples are not acceptable.
- Each microtainer tube holds 500 mcL.
- Stat TAT is from time of order – inadequate specimens may delay times.
- After drawing microtainer, attach extender and label following policies and procedures. Always leave a window on one side of the tube.
- General guidelines for number of tubes drawn in single draw: < 32 wks – 3 tubes, > 32 wks – 4 tubes.

## LABORATORY TESTS, SAMPLE REQUIREMENTS AND TURNAROUND TIMES FOR SPECIAL NEED PATIENTS

PANEL	VACUTAINER						CONTAINER NOTES	SPECIMEN VOLUME		STAT TURN AROUND TIME **
	Lavender	Gold	Red	Green	Blue	# of Tubes		Preferred	Minimum	
Ammonia	P					1	Specimen must be on ice. Deliver w/in 30 minutes.	500 mcL	300 mcL	45-60 min.
Bilirubin. Total or Total & Direct		*	*	P		1	Keep dark-may use amber microtainer	300 mcL	200 mcL	45-60 min
Blood cultures							Pediatric culture bottle	1 mL	500 mcL	
Caffeine			P			1	Serum only – test sent to reference lab	1 mL	500 mcL	
CBC with diff	P					1		500 mcL	250 mcL	45-60 min
Comprehensive Metabolic Panel		*	*	P		1		500 mcL	400 mcL	45-60 min.
CRP		*	*	P		1		500 mcL	400 mcL	60 min days M-F
d-Dimer and/or Fibrinogen					P!	1	Must be venous specimen. May be on same sample as PT/PTT	0.9 mL	0.9 mL	45-60 min
Dilantin			P				<b>NO GEL</b>	500 mcL	300 mcL	45-60 min.
Gentamicin		*	*	P		1		500 mcL	300 mcL	45-60 min.
Glucose		*	*	P		1		500 mcL	250 mcL	45-60 min.
Hemogram (CBC no diff)	P					1		500 mcL	250 mcL	45-60 min.
Hgb & Hct	P					1		500 mcL	250 mcL	45-60 min.
HIV DNA by PCR	P					2	May use the tube from the Rapid HIV plus one more – draw only on M-Thurs	1 mL	1 mL	Send out to OML
HIV Rapid Neonate	P					1		500 mcL	100 mcL	45-60 min
K+		*	*	P		1		500 mcL	250 mcL	45-60 min.
Lactic Acid				P		1	Specimen must be on ice Gray tube also acceptable	500 mcL	250 mcL	45-60 min.
Magnesium		*	*	P		1		500 mcL	250 mcL	45-60 min.
Platelet Ct. only	P					1		500 mcL	250 mcL	45-60 min.
Prottime					P!	1	Prottime and PTT can be performed on a single spec. Must be venous	0.9 mL	0.9 mL	45-60 min
PTT					P!	1	Must be venous spec.	0.9 mL	0.9 mL	45-60 min
Smear for hemolysis	P							500 mcL	250 mcL	45-60 min.
T4				P		1		500 mcL	250 mcL	Same day.
T4, free				P		1		500 mcL	250 mcL	Same day
Theophylline				P		1		500 mcL	300 mcL	45-60 min.
Type and Coombs	P							500 mcL	250 mcL	45-60 min.
Type and Cross	P					1	Hand label	500 mcL	250 mcL	60-90 min.
TSH		*	*	P		1		500 mcL	500 mcL	45-60 min
Vancomycin		*	P			1		500 mcL	300 mcL	45-60 min.
Virology HSV by PCR							CSF	1 mL	500 mcL	
Virology							Call lab for information			

P = Preferred \* = Acceptable

\*\*Based on Preferred Vacutainer and sample volume

All specimens are whole blood volume.

- Sample volume must be full 1.8ml on all blue tops. Short samples are not acceptable.
- **P!** Obtain a 0.9 mL blue top tube from the laboratory (Grenier part # 450413) prior to the collection of blood. This tube is to be used for the addition of 0.9 mL of blood to obtain the correct ratio of anticoagulant to specimen. Improperly filled tubes are not suitable for testing. Please use for only the most critical neonates. The 0.9 mL blue top is NOT a vacuum container. The 1.8 mL vacutainer (BD reference # 363080) is still preferred.
- Each microtainer tube holds 500 mcL.
- Stat TAT is from time of order – inadequate specimens may delay times.
- After drawing microtainer, attach extender and label following policies and procedures. Always leave a window on one side of the tube.
- General guidelines for number of tubes drawn in single draw: < 32 wks – 3 tubes, > 32 wks – 4 tubes.