

COLOR OF TUBE (ADDITIVE)	GENETIC TEST	MINIMUM BLOOD QUANTITY (1/2 of volume if neonate)	SPECIAL INSTRUCTIONS
Dark green (Sodium heparin)	PAA	>1cc	
	ACP	>1cc	
	Total and free carnitine	>2cc	
	Pipecolic acid	>2cc	
	Biotinidase	>2cc	
	Sterol profile	>2cc	
	VLCFA	>2cc	
	Karyotype	>2cc	
	Chromosomal breakage studies	>4cc	
Light green (Lithium heparin)	Will not allow proper preservation of WBCs		
Light blue (Sodium citrate)	Pyruvate	>1cc	on ice STAT
Dark blue (K2-EDTA)			
Lavender/Purple (EDTA)	Molecular sequencing (Panel)	>4cc	
	Total homocysteine	>4cc	on ice
Pink (K2-EDTA)			
Red (no additive)	VLCFA	>2cc	
	TIEF	>2cc	
Orange/Gold (Clot activator/ Serum separating gel)			
Beige/Tan (Sodium EDTA)			
Yellow (Acid/Citrate/Dextrose)			
Gray (Fluoride oxalate)			

Urine	UAA	>1cc	
	UOA	>5cc	
	Urine purines/pyrimidines	>0.5cc	
	Urine creatinine/guanidinoacetate	>0.5cc	
	Urine oligoMPS	>1cc	
	UAASA	>2cc	
	Orotic acid	>0.5cc	

CSF Tube	CSF Amino acids	>0.5cc	
----------	-----------------	--------	--