





for Multiple **MICROTAINER** Tube Aliquots



Cap Color	Test	Minimum Whole Blood Volume
	[mix gently but mix well]	
Potassium EDTA	CBC / Platelets / Retics / H & H	0.3 ml
	ESR	0.5 ml
 <p>Plan to use 2 microtainers for the T&S testing, for patients with high hematocrit additional tests like the CBC will need another, separate microtainer</p>		
Potassium EDTA	Type & Screen	1 ml


	Chemistry Panels	[mix gently but mix well]
PLASMA mint green lithium Heparin 	Electrolyte panel = CHEM 4	0.4 ml
	BMP = Chem 7	0.6 ml
	CMP = Chem 12	0.8 ml
	HEP BMP = HepatoMetabolic Panel	1.2 ml
	HPF = Hepatic Function Panel	0.7 ml
	RFP = Renal Function Panel	0.7 ml
	Lactic acid (on ice)	0.4 ml
	Procalcitonin (on ice)	0.7 ml

green top (PLASMA) preferred	Single Tests	
green top (PLASMA) preferred mint green Plasma Preferred yellow Serum OK	Albumin, ALK PHOS, ALT, Amylase, AST, BUN, CK	0.3 ml for each test
	Cortisol, Creatinine, Calcium	
	Glucose, IgA, IgE, IgG, IgM	
	LDH, Lipase, Magnesium	
	Osmolality, Phosphorus, Potassium,	
	PRO BNP, Sodium, Triglycerides, Uric Acid	
	Acylcarnitine	
	Bilirubin - Neonatal, Total, Direct	0.3 ml
	CRP, Iron	0.4 ml for each test
	T3, Total	0.6 ml
	T4, Total	0.6 ml
	TSH	0.6 ml
MUST BE SERUM 	Ferritin, Iron panel,	0.4 ml for each test
	T4, FREE (FT4) OR T3, FREE (FT3)	0.6 ml for each test
	T4/free T4 and TSH COMBO	0.8 ml
	Thyroid Panel	1.0 ml

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Antibiotic & Phenobarbitol levels		
covered 	Vancomycin (protect from light)	0.3 ml (0.6 ml preferred for infants)
dark green Li Heparin 	Gentamycin, Tobramycin, Phenobarbitol	0.3 ml (0.6 ml preferred for infants)

	Drugs	
PREFERRED plain red - no additive 	Caffeine	0.6 ml
	Phenobarbital	0.3 ml
	17-hydroxyprogesterone	0.6 ml
	Digoxin, Dilantin, Tegretol	0.5 ml

usually collected separately from routine draws - **NOT collected in microtainers** - Fill to the line

COAGULATION TESTS - NOT collected in microtainers		
Sodium Citrate	clear the line well ... TUBES MUST BE FULL	MIX well
	Routine: PT and/or APTT and/or Fibrinogen	1.8 ml tube
	PT, PTT, Fibrinogen, D-Dimer	2.7 ml tube
	ONE specialty assay (e.g. Factor or LMW heparin)	2.7 ml tube
	Routine assays PLUS one additional special assay (e.g. Factor, Protein C) OR multiple special assays	4.5 ml tube (check with lab)

always fill anti-coagulated tubes prior to others - mix well

collected separately from routine draws - NOT collected in microtainers		
Li Heparin syringe	Methemoglobin [on ice]	0.5 ml
Na (sodium) heparin	Chromosome Microarray	2 ml
	Chromosome Karyotype	1 ml
	use syringe	

collected separately from routine draws - NOT collected in microtainers		
always fill blood culture bottles first - aerobic bottle prior to others		
	Blood cultures	
Amount per Venipuncture	BACTEC Pediatric bottle - pink top	1 - 3 ml
	BACTEC MYCO F/ lytic Fungal bottle	1 - 5 ml