

NH Lab Services

Blood Collection Order of Draw for Common Tests

Order of Draw	TEST	Tube Type	Tube Top Colour	Comment	# Inversions
Tubes must be collected in the order indicated to prevent contamination or interference from a preceding tube to a following tube.					
1.	<p><u>Non-Additive</u></p> <p>Used as discard tube prior to coagulation tube or prior to all tubes when using a butterfly needle</p>	Clear Brown	<p>Clear Top</p> 		DISCARD
2.	<p><u>Hematology Coagulation</u></p> <p>INR PTT</p>	Coag/ Sodium Citrate	<p>Light Blue</p> 	Volume is critical Draw to fill line	5
3.	<p>CRP Ferritin IgG, IgA, IgM Protein Serum free light chains Thyroglobulin (fasting) Thyroglobulin antibody TSH Vit B12 EP</p> <p>HIV Hepatitis</p>	<p><u>Tumour Markers</u></p> <p>AFP B2M CA 15-3 CA 125 CA 19-9 CEA Total hCG Total PSA Free PSA SCC Testosterone B2M</p>	<p>SST</p> <p>Serum Separator Tube</p>	<p>Gold</p>  <p>Gel separator Allow to clot 30 min</p>	5

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4.	Albumin	Glucose	Separator Tubes	PST Light Green	PST tube - no clot time	8
	ALK (ALP)	(fasting & random)		Li Heparin	RST tube - clot time 5 mins	
	ALT	Iron				
	Amylase	LD		(certain labs only)		
AST	Magnesium		-----or-----		5	
BUN	Phosphate		--	SST tube - clot time 30 mins		
Bilirubin	Potassium					
(Total & Direct)	Sodium					
Calcium	TIBC		Gold (SST)			
Chloride	Total Protein					
Cholesterol (fasting)	Triglycerides (fasting)		-----or-----			
Creatinine	Uric Acid		--			
CK	Urea					
CO2			Orange (RST)			
GFR						
GGT (γ-GT)			(certain labs only)			
	Protect from Light				5	
5.	<u>Hematology</u> CBC/Differential/ Platelets Reticulocyte Count (order CBC with Retic count)	CBC	Lavender EDTA	Small purple top	8	
						
6.	<u>Crossmatch</u> X 2 tubes min, x 3 is optimal	Crossmatch	Lavender EDTA	Large purple top	8	
						
7.	<u>Hematology</u> ESR Note: written indication for ESR must be provided on requisition	ESR	Black Buffered	Volume is critical. Draw to fill line	8	
						