

Special Coagulation Aliquoting - EZ

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Coagulation Documents

RCOGNR00003 Special Coagulation Aliquoting - EZ

1. APPLICABILITY

This document is applicable to all APL personnel that send Special Coagulation testing to the UAH Special Coagulation department.

2. PURPOSE

This document provides instruction on aliquoting samples for Special Coagulation testing at the UAH.

3. PROCEDURE

3.1. Aliquoting Chart

Test_Abbr	Test Description	Acceptable Specimen Tube Reject all other specimen types	Frozen Aliquots Plasma = citrated **Referred out test**	
AB2G	Anti-Beta-2 Glycoprotein	Gold top tube	Refer out as per site send- out process. UAH - forward to Chemistry bench for processing.	
AD13	ADAMTS13 Activity	3 Lt Blue Citrate	6 x 0.5 mL plasma Plasma should be frozen within 1 hr of collection. If delayed, proceed with aliquoting. Write clearly on the label: "Frozen @ hrs."	
APA	Anti-cardiolipin Antibody, Anti- phospholipid Antibody	 Gold top tube or Red top tube 	2 x 0.5 mL serum Mark "serum" on label	
FVLMUT/ PROM	Factor V Leiden mutation and/or Prothrombin 20210 (or Factor II) mutation	 1-4 mL mauve top tube at 4°C Must be a sterile, dedicated sample 	N/A – MUST be submitted as whole blood. Send cold. Forward to Molecular Pathology.	
FII	Factor II Activity	1 Lt Blue Citrate		
FVACT	Factor V Activity	1 Lt Blue Citrate		
FVIIACT	Factor VII Activity	1 Lt Blue Citrate	2 x 0.5 mL plasma per test	
FVIIICL	Factor VIII Activity, Clot Based	1 Lt Blue Citrate		
FVIIICHROM	Factor VIII Activity, Chromogenic	1 Lt Blue Citrate		
FVIIINH	FVIII Inhibitor	2 Lt Blue Citrate	2 x 1.0 mL plasma	
Risto	Ristocetin Cofactor Activity	1 Lt Blue Citrate	2 x 0.5 mL plasma per test	

Test_Abbr	Test Description Tube Reject all other specimen types		Frozen Aliquots Plasma = citrated
FIXCL FIXCHROM	Von Willebrand Antigen Factor IX Activity, Clot Based Factor IX Activity, Chromogenic	1 Lt Blue Citrate1 Lt Blue Citrate1 Lt Blue Citrate	2 x 0.5 mL plasma per test
FIXINH FXACT FXIACT FXIIACT	Factor IX Inhibitor Factor X Activity Factor XI Activity Factor XII Activity	 2 Lt Blue Citrate 1 Lt Blue Citrate 1 Lt Blue Citrate 1 Lt Blue Citrate 	2 x 1.0 mL plasma 2 x 0.5 mL plasma per test
FXIIIACT	Factor XIII Activity Heparin-Induced Thrombocytopenia	3 Lt Blue Citrate Gold Top tube	3 x 1.0 mL plasma 2 x 0.5 mL serum per test – Mark "serum" on label
SRA	Serotonin Release Assay for HIT • 2 Red Top tubes and 2 Lt Blue Citrate		**Referred out test** Refer out as per site send-out process. UAH: forward to Chemistry bench for processing.
LUPUS ANTICO	Lupus Anticoagulant	2 Lt Blue CitrateOrder in conjunction with APA and AB2G	2 x 1.0 mL plasma
HEPFXA	Anti-Xa Heparin Level or Low Molecular Weight Heparin or Anti-Xa Assay or Unfractionated Heparin (LMWH: Enoxaparin, Fragmin, Dalteparin)	 Lt Blue Citrate Must be collected 4-6 hours post dose Room Temperature 	MUST be processed within 4 hours of collection. 2.x 0.5 mL plasma
AFXA	Anti-Xa Rivaroxaban Note: An Anti-Xa Heparin Level will auto-reflex - process it on site if test is available or refer an aliquot to the appropriate reference site.	Lt Blue CitrateRoom Temperature	**Referred out test** Refer out the Anti-Xa Rivaroxaban level as per site send-out process.
ANTIXAAPIX	Anti-Xa Apixaban Note: An Anti-Xa Heparin Level will auto-reflex - process it on site if test is available or refer an aliquot to the appropriate reference site.	Lt Blue CitrateRoom Temperature	**Referred out test** Refer out the Anti-Xa Apixaban level as per site send-out process.
INRHN / PTTHN / TTHN / FIBHN	INR/PT Heparin Neutralization / PTT Heparin Neutralization / Thrombin Time Heparin Neutralization / Fibrinogen Heparin Neutralization	1 Lt Blue Citrate	**If site does not process HEPZYME samples, call Hematopathologist on call for approval. If approved, send 2 x 1.0 mL aliquots of frozen plasma to UAH.
ATACT PROTC PS FREE	Antithrombin Activity Protein C Protein S Antigen Free	1 Lt Blue Citrate1 Lt Blue Citrate1 Lt Blue Citrate	1 x 0.5 mL plasma 2 x 0.5 mL plasma per test
PT IN PTT IN SCINR / SCPTT	PT Inhibitor Screen PTT Inhibitor Screen Special Coag INR and PTT	2 Lt Blue Citrate3 Lt Blue Citrate1 Lt Blue Citrate	2 x 2.0 mL plasma 2 x 3.0 mL plasma 2 x 0.5 mL plasma

3.2. Aliquoting Instructions

Step			Information			
1	1.2) If spec	nen: o obtain platelet po cimen received sp ot and freeze san	Platelet poor plasma must have a platelet count of <10 x 10 ⁹ /L. Refer to RCOGNS00004MUL Verification of Platelet Poor Plasma Status of Coagulation Samples.			
2	2.1) Ensur are th 2.2) Using one tu remov	cimen integrity: e patient name, e same. a plastic pipette ibe at a time – av ring plasma and/c	Note: Epic Specimen ID numbers may be different.			
	If .	Then				
	Removing plasma for		for a clot prior to adding to the pool.	Note: Check for a clot by rimming the red cell button		
	pooling	If	Then	with an applicator stick.		
	pooming	Clotted	Do not add to the plasma pool; discard.			
		Hemolyzed	Aliquot hemolyzed plasma separately and label as HEMO.			
		Not clotted and not hemolyzed	Pool plasma into a plastic container (accuvette or sterile urine container).			
	Removing	If	Then			
	serum	Not hemolyzed	Proceed to Step 3.			
		Hemolyzed	Aliquot hemolyzed serum and label as HEMO and serum.			
3	Transfer the serum or pooled plasma into labeled plastic polypropylene (cloudy plastic) aliquot tubes according to section 3.1. • Polystyrene (clear plastic) aliquot tubes are not acceptable, and testing will be cancelled.			**Preferred aliquot tube: 4 mL Polypropylene Simport tube with screw top lid: • Tube: Simport #T501-4T		
		Then		(Oracle 196337)		
		Mix the pool befo	<u> </u>	Screw top lid: Simport #T501-N (Oracle 196338)		
	Serum	Mark "serum" on	label.	Or refer to <i>RR01-005</i>		
			Ordering Supplies from Reagent Room.			
4		liquots at -70°C a from external site	Note: Sample may be stored at -20°C for a short period (e.g. 2 days) in a non-frost-free freezer.			

4. CONTACT INFORMATION

University of Alberta Hospital Routine Coagulation (780) 407-7232.

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5. RELATED DOCUMENTS

RCOGNS00004MUL Verification of Platelet Poor Plasma Status of Coagulation Samples RR01-005 Ordering Supplies from Reagent Room