

## THROMBOTIC RISK PANEL SPECIMEN COLLECTION / PROCESSING OVERVIEW

### COLLECTION TUBES

ANTITHROMBIN III, FIBRINOGEN, THROMBIN TIME  
LUPUS ANTICOAGULANT SCREEN, PROTEIN C ACTIVITY,  
TOTAL PROTEIN S ACTIVITY, REPTILASE TIME, INR  
PARTIAL THROMBOPLASTIN TIME

BETA-2-GLYCOPROTEIN, IgG, IgM  
CARDIOLIPIN ANTIBODIES, IgA, IgG, IgM

HEMATOCRIT  
(PART OF LUPUS)

FACTOR V LEIDEN  
PROTHROMBIN 20210 MUTATION

HOMOCYSTEINE,

ATIII, FIBRI, LUPUS, PACT, PSACT,  
TCT, REPTI, INRT, PTT

BET2G / CARAB

LAHCT

FVDNA / PTDNA

HOMCY



**BLT Tubes**  
Anticoagulant = NA CITRATE



**SST tube**



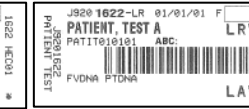
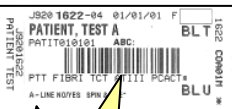
**LAV Tube**  
Anticoagulant = EDTA



**LAV Tube**  
Anticoagulant = EDTA



**LAV Tube**  
Anticoagulant = EDTA



SEE DETAILS FOR  
PROCESSING  
COAGULATION  
SPECIMENS ON  
NEXT PAGE

### SPECIMEN PROCESSING

ATIII, FIBRI, LUPUS, PACT, PSACT,  
TCT, REPTI, INRT, PTT

BET2G / CARAB

FVDNA / PTDNA & LAHCT

HOMCY



1.0 ml NA citrate plasma



1.0 ml EDTA plasma

1. CHECK FOR PROPER FILL (>90% FILL)
2. CLOT CHECK TUBES (USING 2 STICK TECHNIQUE)
3. SPIN (3,000 rpm for 10 minutes)
4. TRANSFER PLASMA USING A PLASTIC PIPET INTO A PLASTIC ALIQUOT TUBE WITHOUT DISTURBING THE BOTTOM 0.5 ML OF PLASMA
6. SPIN PLASMA (3,000 rpm for 10 minutes)
7. SEPARATE PLASMA OFF INTO 5-7 1.0 ML ALIQUOTS
8. LABEL ALIQUOT TUBE WITH PT NAME, DOB, AND "CITRATE PLASMA"
9. FREEZE PLASMA IMMEDIATELY

1. CLOT FOR 30 MINUTES.
2. SPIN (3,000 rpm for 10 minutes)

1. NO PROCESSING REQUIRED

1. SPIN (3,000 rpm for 10 minutes)
2. SEPARATE OFF PLASMA (1.0 mL)
3. LABEL ALIQUOT TUBE WITH PT NAME, DOB, AND "EDTA PLASMA"

### SPECIMEN STORAGE / TRANSPORTATION

ATIII, FIBRI, LUPUS, PACT, PSACT  
TCT, REPTI, INRT, PTT

BET2G / CARAB

FVDNA / PTDNA & LAHCT

HOMCY



1.0 ml NA citrate plasma



1.0 ml EDTA plasma

STORAGE: FROZEN (UPRIGHT)

REFRIGERATED

ROOM TEMP OR REFRIGERATED

REFRIGERATED

TRANSPORT: FROZEN / ON DRY ICE

REFRIGERATED

ROOM TEMP OR REFRIGERATED

REFRIGERATED

# COAGULATION DOUBLE SPIN PROCESS

## STEP 1



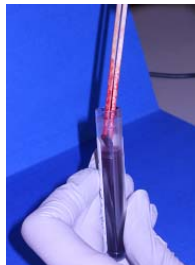
## STEP 2

CHECK FOR PROPER FILL (>90% FILL) USING BD VOLUME GUIDE. SPECIMEN REJECTED IF <90% FILLED. DISCARD UNDERFILLED SPECIMENS. ENTER CSA.



## STEP 3

CLOT CHECK TUBES USING 2 STICK TECHNIQUE. SPECIMEN REJECTED IF CLOTTED. DISCARD CLOTTED SPECIMENS. ENTER CSA.



## STEP 4

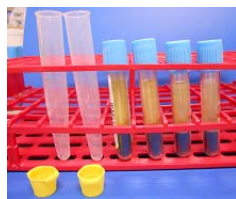


CENTRIFUGE TUBES AT 3,000 RPMS FOR 10 MINUTES



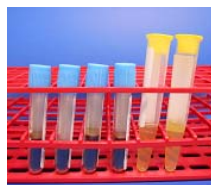
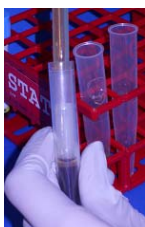
## STEP 5

TRANSFER PLASMA USING A PLASTIC PIPET TO A PLASTIC CONICAL TUBE WITHOUT DISTURBING THE BOTTOM 0.5ML OF PLASMA

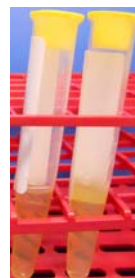


## STEP 6

REMOVE PLASMA: START FROM THE TOP, GENTLY DRAW SPECIMEN INTO PIPETTE AS YOU GO FURTHER DOWN THE TUBE



## STEP 7



YELLOW CAPPED CONICAL TUBES



## STEP 8

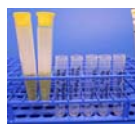


CENTRIFUGE TUBES AT 3,000 RPMS FOR 10 MINUTES



## STEP 9

PIPET PLASMA FROM SECOND SPIN INTO LABELED ALIQUOT TUBES WITHOUT DISTURBING THE BOTTOM 0.5ML.



1.0 ml Aliquot volume

## STEP 10

Make 5-7 aliquot tubes. Label tubes with Patient First and Last name, DOB, and "CITRATE plasma"



## STEP 11

Flash freeze aliquots in -70 Freezer or in dry ice. **MUST** place tubes UPRIGHT.

