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**Equipment Each Draw**

- ▶ Bag with 1 Blue top vacuum tube
  - Buffered sodium citrate 3.2%
  - 1<sup>st</sup> fill at each draw
  - 1 Matching cryovial
- ▶ Bag with 1 Black top vacuum tube
  - Buffered sodium citrate at higher %
  - Fill tube last at each draw
  - 1 Matching cryovial

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**Each Draw  
Two Bags**

**Each Bag:  
One Vacuum Tube  
One Cryotube**



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### PK Sampling Times

- ▶ Dose 1
- ▶ Dose 3 or 4

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### OR Sample

- ▶ Baseline for Dose 1
- ▶ Gentle aspiration of clot during surgical procedure
- ▶ If the quantity is not sufficient, then fill the black tube first
- ▶ Ice and process within 30 minutes

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### Process

- ▶ Centrifuge vacuum tubes
  - 3000 or 3300 rpm, 15 minutes
- ▶ Draw off supernatant
  - "liquid on the surface"
  - the usually clear liquid left above a precipitate or sediment
- ▶ Store in provided cryotubes at -70°F.

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### Match Tubes & Cryovials

- ▶ PAY ATTENTION
- ▶ Keep bags separate
- ▶ Centrifuge BLUE vacuum tube & match to cryovial labeled "BLUE"
- ▶ Centrifuge BLACK vacuum tube & match to cryovial labeled "BLACK"
- ▶ Blue to blue
- ▶ Black to black

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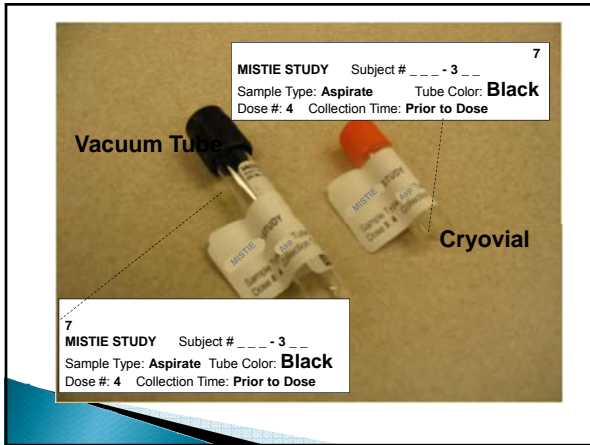
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### rt-PA Dose #1\*

- ▶ 1 hr post dose
- ▶ 3 hrs post dose
- ▶ 7 hr 50 min after dose (trough)

\*Baseline already drawn in OR; if no aspirate attained in OR, then attempt baseline prior to dose 1

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### Collection

- ▶ Gentle aspiration of clot into syringe
  - 2 coagulation vacuum tubes
  - 2-4 ml aspirate divided into 2 tubes
- ▶ Discard 1.0 ml of blood aspirate (dead space)
- ▶ If the quantity is not sufficient, then fill the black tube first
- ▶ Ice and process within 30 minutes

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### Process

- ▶ Centrifuge vacuum tubes
  - 3000 or 3300 rpm, 15 minutes
- ▶ Draw off supernatant
  - "liquid on the surface"
  - the usually clear liquid left above a precipitate or sediment
- ▶ Store in provided cryotubes at -70°F.

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### Match Tubes & Cryovials

- ▶ PAY ATTENTION
- ▶ Keep bags separate
- ▶ Centrifuged BLUE tube match to cryovial labeled "BLUE"
- ▶ Centrifuged BLACK tube match to cryovial labeled "BLACK"
- ▶ Blue to blue
- ▶ Black to black

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### rt-PA Dose #4 (or #3)

- ▶ Baseline prior to dose
- ▶ 1 hr post dose
- ▶ 3 hrs post dose
- ▶ 7 hr 50 min after dose (trough)

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### Collection

- ▶ Gentle aspiration of clot into syringe
  - 2 coagulation vacuum tubes
  - 2-4 ml aspirate divided into 2 tubes
- ▶ Discard 1.0 ml of blood aspirate (dead space)
- ▶ If the quantity is not sufficient, then fill the black tube first
- ▶ Ice and process within 30 minutes

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### Process

- ▶ Centrifuge vacuum tubes
  - 3000 or 3300 rpm, 15 minutes
- ▶ Draw off supernatant
  - "liquid on the surface"
  - the usually clear liquid left above a precipitate or sediment
- ▶ Store in provided cryotubes at -70°F.

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### Match Tubes & Cryovials

- ▶ PAY ATTENTION
- ▶ Keep bags separate
- ▶ Centrifuged BLUE tube match to cryovial labeled "BLUE"
- ▶ Centrifuged BLACK tube match to cryovial labeled "BLACK"
- ▶ Blue to blue
- ▶ Black to black

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### Tube and Vial Labeling

- ▶ Record the date
- ▶ Record the exact time aspirated
- ▶ Add site number
- ▶ Add subject number

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### Create Your Own Label

- ▶ **VACUUM TUBE LABEL**
- ▶ **MISTIE STUDY** Subject # - - - - 3 - -
- ▶ Sample Type: \_\_\_\_ (Aspirate)
- ▶ Tube Color: \_\_\_\_ (Black or Blue)
- ▶ Dose #: \_\_\_\_
- ▶ Collection Time: \_\_\_\_ (example: Prior to Dose)
- ▶
- ▶ **CRYOTUBE LABEL**
- ▶ **MISTIE STUDY** Subject # - - - - 3 - -
- ▶ Sample Type: \_\_\_\_ (Aspirate)
- ▶ Tube Color: \_\_\_\_ (Black or Blue)
- ▶ Dose #: \_\_\_\_
- ▶ Collection Time: \_\_\_\_ (example: Prior to Dose)

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**DAY 1, Dose 1**

Operating Room	Bedside Aspirate (Clot) Sampling		
Baseline	After rt-PA Administration		
OR Sample	1 hour	3 hours	7 hours 50 minutes

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**DAY 2, Dose 4**

Bedside Pre-Dose	Bedside Aspirate (Clot) Sampling		
Baseline	After rt-PA Administration		
-10 min	1 hour	3 hours	7 hours 50 minutes

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**Shipment**

- ▶ Batch at 7 to 10 days
- ▶ Frozen/dry ice to
- ▶ Overnight
- ▶ Notify Dr. Rhoney first
- ▶ DO NOT ship on Friday

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### Monday – Thursday Ship

- ▶ Dr. Denise Rhoney
- ▶ Departments of Pharmacy Practice and Neurology
- ▶ Wayne State University Colleges of Pharmacy and Medicine
- ▶ 259 Mack Avenue
- ▶ Detroit, MI 48201
- ▶ Phone: (313) 993-7742
- ▶ FAX: (313) 577-5369
- ▶ Email: [drhoney@wayne.edu](mailto:drhoney@wayne.edu)

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### Requisition

- ▶ Include with shipment
- ▶ Complete all items and sections

WELLS FARGO BANK, N.A. Member FDIC

**TABLE 1**  
Type of Service:  **Table 1**

Account Number	Item	Quantity	Unit Price	Total Price	Account Number	Item	Quantity	Unit Price	Total Price
	Check								
	Check								
	Check								
	Check								
	Check								

**TABLE 2**  
Type of Service:  **Table 2**

Account Number	Item	Quantity	Unit Price	Total Price	Account Number	Item	Quantity	Unit Price	Total Price
	Check								
	Check								
	Check								
	Check								
	Check								

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