



آغا خان یونیورسٹی ہسپتال

The Aga Khan University Hospital
Clinical Laboratories

Specimen Collection and Transportation Information

| Test Name | Mnemonic | Section | Specimen Type |
|-----------|----------|-------------|---------------|
| Factor X | FACT 10 | Coagulation | Plasma |

- **Preparation of the Patient:** NA
- **Type of Collection Container:** 3.2 % buffered trisodium citrate (Blue top)
- **Types and Amounts of Preservatives or Anticoagulants:** 3.2 % buffered trisodium citrate
- **Quantity of Specimen to be collected:** Up to the given mark on blue top tube or 1.8 cc blood is collected in 3.2 % buffered trisodium citrated tube
 - **Minimum Quantity:** 01 sodium citrated tube
- **Transportation Temperature:**
 - a) Whole blood citrated tube sent at room temperature (+18 to +24 °C) within 2 hour of specimen collection.
 - b) Citrated Plasma sent in frozen state in dry ice.
- **Need for Special Timing for Collection (where applicable):** NA
- **Specimen Stability Information:**
 - a) Whole blood specimen is stored at room temperature (+18 to +24 °C) for 3 hours.
 - b) Citrated plasma is stored at refrigerated temperature (+2 to +8 °C) for 3 hours
 - c) Citrated plasma is stored at freezing temperature (-20 °C) for up to 4 weeks.
- **Special Instruction:**
 - a) It is important that the blood is added to the appropriate volume of anticoagulant within one minute of draw.
 - b) Regardless of the device use for specimen collection, all tubes should be inverted at least four times to mix.
 - c) Excess mixing can cause hemolysis and/or platelet activation leading to erroneous result.
 - d) If multiple specimens are collected, the coagulation sample can be the first tube or only tube drawn.
 - e) The citrated concentration must be adjusted in patients who have hematocrit value above 55%.
 - f) Platelet poor plasma is required for coagulation testing. For specimen preparation the capped specimen tube is centrifuged at 4000 rpm for 10 minutes at room temperature.

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Approved by Service Line Chief and Director Dr. Farooq Ghani dated 1st April, 2016

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• **Rejection Criteria:**

- Specimen improper labeled as to patient identity (unlabeled or mislabeled).
- Patient identification mismatched between specimen and requisition slip.
- Specimen improper collected i.e. hemolysed, clotted, over-filled or under-filled tubes.
- Improper collection container i.e. leakage or broken sample tube or container.
- Improper preservative, or improper anticoagulant e.g. 3.8% sodium citrate, EDTA, oxalate or heparin.
- Sample is drawn through a vascular Access Device (VAD) using a blood collection system or a syringe.
- Incomplete test requisition slip (i.e., required test information not present)
- Specimen volume inadequate (QNS) for analysis.
- Wrong or inappropriate source given for testing.
- Excessive delay in specimen transport or improperly transported (i.e., not on ice or required temperature).
- Specimen contaminated with biological hazardous material.
- Frozen specimen that have thawed upon transit from other hospitals/laboratories/collection point.
- Specimen who have hematocrit above 55%.

• **Need for Appropriate Clinical Data, When Indicated (Patient history):** Not Required

| Methodology | Reporting Scheme | Day Performed | Cut Off Time Main Lab | Cut Off Time Karachi Points | Cut Off Time Out of Karachi Points |
|----------------------|------------------|---------------|-----------------------|-----------------------------|------------------------------------|
| Clotting based assay | After 2 days | Monday-Friday | 12:01am | 10:00 | Contact Nearest Collection Point |