<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Coagulation</th>
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<td><strong>Test Name:</strong></td>
<td>FIBRINOGEN</td>
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**General Information**

- **Lab Order Codes:** FIB
- **Synonyms:** Clauss Fibrinogen; Plasma Fibrinogen
- **CPT Codes:** 85384 – Fibrinogen; activity
- **Test Includes:** Fibrinogen level reported in mg/dL.

**Logistics**

- **Test Indications:** Used for identifying congenital afibrinogenemia, dysfibrinogenemia, disseminated intravascular coagulation (DIC), fibrinolytic activity and severe liver disease. This test is sensitive to functional fibrinogen, and insensitive to non-clottable fibrinogen and fibrin derivatives.
- **Lab Testing Sections:** Coagulation
- **Phone Numbers:**
  - MIN Lab: 612-813-6280
  - STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 2 hours
- **Special Instructions:** Deliver immediately to the laboratory; Indicate when specimen is drawn from a line or a heparin lock.

**Specimen**

- **Specimen Type:** Whole blood
- **Container:** Light Blue top tube (Buffered Na Citrate 3.2%)
- **Draw Volume:** 1.8 mL or 2.7 mL blood
- **Processed Volume:** 0.9 mL (Minimum: 0.5 mL) plasma
Collection:

- A clean venipuncture is essential, avoid foaming.
- Entire sample must be collected with single collection, pooling of sample is unacceptable.
- Capillary collection is unacceptable.
- Patient’s with a hematocrit level >55% must have a special tube made to adjust for the hematocrit; contact lab for a special tube.
- Mix thoroughly by gentle inversion. Deliver immediately to the laboratory at room temperature via courier or pneumatic tube.

Off campus collections:

- Must be tested within 4 hours.
- Do not refrigerate.
- If not received in our lab within 4 hours of collection, sample must be centrifuged and *platelet-poor plasma removed from cells and transferred to an aliquot tube. Freeze at -20°C and deliver to the lab on dry ice within 2 weeks.
*Validation of your lab’s centrifuge for platelet poor plasma is required.

Special Processing:

Lab staff: Centrifuge in Stat Spin for 5 minutes or 10 minutes at 3000 rpm at room temperature. For primary tube testing, leave plasma on cells OR remove plasma and place in a 4 mL plastic cup; allow for 100 mL of deadspace.

Test within:
- Four (4) hours when stored in the capped tube above the packed cells 18 to 24°C.
- Four (4) hours as plasma that has been separated from cells by centrifugation when stored 2 to 8°C or 18 to 24°C.
- Two (2) weeks when stored -20°C.
- Six (6) months when stored -70°C (rapidly frozen).
- Plasma must be frozen if testing cannot be completed within four (4) hours.
- Frozen plasmas are thawed at 37°C for three (3) minutes, test immediately.

Patient Preparation: None

Sample Rejection: Improper tube; clotted samples; overfilled tubes; underfilled tubes; mislabeled or unlabeled specimens

Interpretive

Reference Range: 200 – 420 mg/dL

Critical Values: <100 mg/dL

Limitations: N/A

Methodology: Electromagnetic clot detection

Updates: 2/17/2005: Critical value previously listed as <100 mg/dL.
9/15/2014: Off campus collection info added.