Lab Dept: Chemistry

Test Name: FERRITIN

General Information
Lab Order Codes: FERI
Synonyms: N/A
CPT Codes: 82728 - Ferritin
Test Includes: Ferritin concentration reported in ng/mL.

Logistics
Test Indications: Ferritin, the major iron storage compound, provides a tissue reserve of iron readily available for formation of hemoglobin and other heme proteins. Measurement of serum ferritin is valuable in distinguishing iron deficiency anemias caused by low iron stores, from those resulting from inadequate iron utilization.

Lab Testing Sections: Chemistry
Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550
Test Availability: Daily, 24 hours
Turnaround Time: 1 day
Special Instructions: N/A

Specimen
Specimen Type: Blood
Container: Preferred: Green top (Li Heparin) tube
Alternate: Red, marble or gold top tube
Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood
Processed Volume: 0.5 mL (Minimum: 0.2 mL) plasma/serum
Collection: Routine venipuncture
**Special Processing:**
Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Store at 2-8 degrees Centigrade for up to 7 days.

**Patient Preparation:**
None

**Sample Rejection:**
Mislabeled or unlabeled specimen

### Interpretive

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Age:</th>
<th>Males:</th>
<th>Females:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Range (ng/mL):</td>
<td>Range (ng/mL):</td>
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<tr>
<td>0 - 1 month:</td>
<td>25 – 200 ng/mL</td>
<td>25 – 200 ng/mL</td>
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<tr>
<td>1 – 2 months:</td>
<td>200 – 600 ng/mL</td>
<td>200 – 600 ng/mL</td>
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<tr>
<td>2 – 6 months:</td>
<td>50 – 200 ng/mL</td>
<td>50 – 200 ng/mL</td>
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<tr>
<td>6 months – 15 years:</td>
<td>7 – 142 ng/mL</td>
<td>7 – 142 ng/mL</td>
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<tr>
<td>&gt;16 years:</td>
<td>22 – 322 ng/mL</td>
<td>10 – 291 ng/mL</td>
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**Critical Values:**
N/A

**Limitations:**
Ferritin levels are falsely elevated with inflammation, tissue destruction, liver disease, malignancy and iron therapy. Heterophile antibodies may interfere with immunoassay tests.

**Methodology:**
Homogeneous Sandwich Chemiluminescent Immunoassay

**References:**
- Siemens Dimension Vista Directions For Use (8/30/2013) Siemens Healthcare Diagnostics
- Siemens Immulite Ferritin Product Insert (7/29/2008) PIL2KFE-14
Updates: 7/22/2014: Method change, previously listed as Two-site Immunoassay Chemiluminscent.
2/8/2016: Update alt tube types.