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**Lab Dept:** Chemistry

**Test Name:** FERRITIN

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***General Information***

**Lab Order Codes:** FERI

**Synonyms:** N/A

**CPT Codes:** 82728 - Ferritin

**Test Includes:** Ferritin concentration reported in ng/mL.

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***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

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***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

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***Interpretive***

**Reference Range:**

<b>Age:</b>	<b>Males:</b>	<b>Females:</b>
	<b>Range (ng/mL):</b>	<b>Range (ng/mL):</b>
0 - 1 month:	25 – 200 ng/mL	25 – 200 ng/mL
1 – 2 months:	200 – 600 ng/mL	200 – 600 ng/mL
2 – 6 months:	50 – 200 ng/mL	50 – 200 ng/mL
6 months – 15 years:	7 – 142 ng/mL	7 – 142 ng/mL
>16 years:	22 – 322 ng/mL	10 – 291 ng/mL

**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

National Committee for Clinical Laboratory Standards (NCCLS) (2002) Clinical Laboratory Technical Procedure Manuals; Approved Guideline-Fourth Edition GP2-A4

Biorad Immunoassay Plus Control Product Insert

Burtis, CA, Ashwood, ER, Bruns, DE, ed (2006) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 4th Edition, Philadelphia: W.B. Saunders

**Updates:**

7/22/2014: Method change, previously listed as Two-site Immunoassay  
Chemiluminescent.

2/8/2016: Update alt tube types.