
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: 0.75 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.25 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

Reference Range:

Age:	Males:	Females:
	Range (ng/mL):	Range (ng/mL):
0 – 14 days:	99.6 - 717	99.6 – 717
15 day – <6 months:	14 – 647.2	14 – 647.2
6 months - <1 year:	8.4 – 181.9	8.4 – 181.9
1 – <5 years:	5.3 – 99.9	5.3 – 99.9
5 - <14 years:	13.7 – 78.8	13.7 – 78.8
14 - <16 years:	12.7 – 82.8	
14 - <19 years:		5.5 – 67.4
16 - <19 years:	11.1 – 171.9	
Adult:	22 – 275	5 – 204

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: Chemiluminescent Immunoassay (CMIA) Quantitative

References: Abbott Alinity i Ferritin Reagent Instructions for Use (February 2018)
Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

Abbott Alinity i Ferritin Calibrator Kit Package Insert (February 2018)
Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

CALIPER Reference Interval Studies (access 10/27/2020)

Bio-Rad Liquichek Immunoassay Plus Quality Control Package Insert
(April 2020) Bio-Rad Laboratories, Irvine, CA, 92618

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

Bio-Rad 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.

12/10/2020: Updated for method Abbott Alinity, removed method
Siemens Vista