

FE-TIBC, SERUM
Test ID: HCFE
Secondary ID: 23816

EXPLANATION: This test is being moved to a new platform.

RECOMMENDED ALTERNATIVE TEST: FEC

METHODOLOGY:

Iron: Photometric, Fe²⁺-FerroZine Complex

Transferrin and TIBC: Transferrin concentration is determined by an immunoturbidimetric assay on the Roche Cobas platform. Total iron-binding capacity (TIBC) is calculated from measured transferrin concentration multiplied by 1.18. Internal Mayo Clinic studies were conducted over a period of three years (2010-2012) to establish the factor (1.18) and validate the calculation.

REFERENCE VALUES:

IRON

Males: 50-150 mcg/dL

Females: 35-145 mcg/dL

TOTAL BINDING CAPACITY

250-400 mcg/dL

PERCENT SATURATION

14-50%

SPECIMEN REQUIREMENTS: Draw blood in a plain, red-top tube(s) or a serum gel tube(s) from a fasting patient (12 hour) before 12 noon. Hemolyzed specimen is not acceptable. Spin down and send 1 mL of serum refrigerated or frozen in plastic vial.

NOTE: 1. Supplements containing iron should be avoided for 24 hours prior to draw.

2. Patient's age and sex are required on request form for processing.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	6 months

LIST FEE: \$70.40

CPT CODES:

83540/Iron

83550/Iron-binding capacity

DAY(S) SET UP: Monday through Saturday; **ANALYTIC TIME:** Same day/1 day
Continuously

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Richard R. Einerson, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710