

## Iron and Total Iron-Binding Capacity, Serum

**Test ID:** FEC

**Explanation:**

On the effective date, test FEC will be replaced with SFEC.

**Recommended Alternative Test:**

## Iron and Total Iron-Binding Capacity, Serum

**Test ID:** SFEC

**Methodology:**

IRON: Colorimetric Assay

TIBC: Turbidity/Calculation

SAT: Calculation

**Reference Values:**

IRON

Males: 50-150 mcg/dL

Females: 35-145 mcg/dL

TOTAL IRON-BINDING CAPACITY

250-400 mcg/dL

PERCENT SATURATION

14-50%

**Specimen Requirements:**

**Patient Preparation:**

1. Fasting (12 hours)
2. For 24 hours before collection, patient should not take iron-containing supplements

**Preferred Collection Container/Tube:** Serum gel

**Acceptable Collection Container/Tube:** Red top

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL

**Collection Instructions:**

1. Draw blood before noon (preferred).
2. Within 2 hours of collection, serum gel tubes should be centrifuged.
3. Within 2 hours of collection, red-top tubes should be centrifuged, and the serum aliquoted into a plastic vial.

**Specimen Stability Information:**

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	180 days

**CPT Code:**  
83540-Iron  
83550-Iron-binding capacity

**Day(s) Performed:** Monday through Sunday      **Report Available:** Same day/1 to 2 days

**Questions**  
Contact Nancy Benson, Laboratory Resource Coordinator at 800-533-1710.