

HOTLINE: Effective February 22, 2022

0020420 Iron and Iron Binding Capacity

FEIBC

Specimen Required: Collect: Plasma separator, Serum Separator Tube (SST), or green (lithium heparin).

Specimen Preparation: Allow specimen to clot completely at room temperature. Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.5 mL) Avoid hemolysis. Also acceptable: Heparinized plasma.

Storage/Transport Temperature: Refrigerated.

Unacceptable Conditions: Grossly hemolyzed specimens. EDTA plasma.

Stability (collection to initiation of testing): After separation from cells: Ambient: 4 days; Refrigerated: 1 week; Frozen: 3 months

Reference Interval:

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Test Number	Components	Reference Interval
	Iron, Plasma or Serum	Newborn 0-6 weeks: 100-250 µg/dL Infant 7 weeks - 11 months: 40-100 µg/dL Child 1 year - 10 years: 50-120 µg/dL Male 11 years and older: 45-182 µg/dL Female 11 years and older: 28-170 µg/dL
	Transferrin Saturation	20-50%
	Total Iron Binding Capacity	UIBC: Not reported on patient reports: 0-2 months: 59-175 µg/dL 3 months-17 years: 250-400 µg/dL 18 years and older: 240-450 µg/dL