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**Lab Dept:** Chemistry

**Test Name:** TRANSFERRIN

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***General Information***

**Lab Order Codes:** TRAF

**Synonyms:** Siderophilin

**CPT Codes:** 84466 - Transferrin

**Test Includes:** Transferrin concentration reported in mg/dL.

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***Logistics***

**Test Indications:** Transferrin is the principal plasma protein that carries iron from storage, usually in the liver, into the blood for use.

**Lab Testing Sections:** Chemistry (all specimens analyzed on the Mpls campus)

**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:** Green top (Lithium Heparin) tube, **preferred**  
Alternate: Red, marble or gold top tube

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL serum

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Specimens can be stored at refrigerated temperatures for 7 days. Centrifuge turbid or particulate samples prior to analysis.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimen; turbid samples that do not clear after centrifugation

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***Interpretive***

<b>Reference Range:</b>	<b>Age</b>	<b>Range (mg/dL)</b>
	0 - <9 weeks:	104 - 224
	9 weeks - <1 year:	107 - 324
	1 - <19 years:	220 - 337
	Adult:	174 - 382

**Critical Values:** N/A

**Limitations:** Samples containing paraproteins (abnormal monoclonal antibodies) may interfere with test results.

**Methodology:** Immunoturbidimetric

**References:** Tietz, Norbert (1999) Textbook of Clinical Chemistry, 3<sup>rd</sup> edition, Philadelphia, WB Saunders Co., pp 507-509

Abbott Alinity c Transferrin Reagent Kit Instructions for Use (February 2018) Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

Abbott Alinity c Specific Proteins Multiconstituent Calibrators Package Insert (February 2018) Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

Bio-Rad Liquichek Immunology Control Package Insert, Bio-Rad Laboratories, Irvine, CA, 92618

CALIPER Reference Range Studies (accessed October 27, 2020)

**Updates:** 2/9/2016: Update alt tube type  
12/11/2020: Updated for method Abbott Alinity, removed method Siemens Vista.