

NEW TEST

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Soluble Transferrin Receptor, Serum or Plasma

3020070, STFR

Specimen Requirements:

Patient Preparation:	
Collect:	Serum separator tube or plasma separator tube. Also acceptable: green (lithium heparin).
Specimen Preparation:	Transfer 1 mL serum or plasma to an ARUP standard transport tube. (Min: 0.4 mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Contaminated, severely hemolyzed, icteric, or lipemic specimens.

Remarks:

Stability:	After separation from cells: Ambient: 5 days; Refrigerated: 1 week; Frozen: 1 month (avoid repeated freeze/thaw cycles)
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Methodology:	Quantitative Chemiluminescent Immunoassay (CLIA)
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Performed:	Sun-Sat
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Reported:	Within 24 hours
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Note:

CPT Codes:	84238
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New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

The Beckman Coulter Access sTfR immunoassay is intended as an aid in the diagnosis of iron deficiency anemia, especially in patients with chronic disease. In adult patients with anemia, an sTfR result greater than or equal to 1.55 mg/L is 86 percent sensitive and 49 percent specific for the presence of iron deficiency anemia, alone or in combination with anemia of chronic disease. The sTfR assay is not intended to be used in isolation; results should be interpreted in conjunction with the patient's clinical presentation and other diagnostic tests, such as other indicators of iron status (refer to table below).

	Test for Changes in:	Iron Deficiency Anemia	Anemia of Chronic Disease	Iron Deficiency & Anemia of Chronic Disease
Ferritin	Iron Stores	Low	High	Normal or High
TIBC	Iron Status	High	Low	Normal or High
Serum Iron	Iron Status	Low	Low	Low

sTfR	Iron Status	High	Normal	High
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Reference Interval:

Test Number	Components	Reference Interval				
	Soluble Transferrin Receptor					
			Tests for Changes in:	Iron Deficiency Anemia	Anemia of Chronic Disease	Iron Deficiency & Anemia of Chronic Disease
		Ferritin	Iron Stores	Low	High	Normal or High
		TIBC	Iron Status	High	Low	Normal or High
		Serum Iron	Iron Status	Low	Low	Low
		sTfR	Iron Status	High	Normal	High
	Soluble Transferrin Receptor					
		age	mg/L			
		0 - <1 year	0.98 - 1.99			
		1 - <2.5 years	1.37 - 2.64			
		2.5 - <14 years	1.03 - 2.09			
		14 - <18 years	0.79 - 1.68			
		18 and older	0.90 - 2.01			

HOTLINE NOTE: Refer to the Hotline Test Mix for interface build information.