TEST CHANGE

Iron, Liver

0028250, FE LIVER

Specimen Requirements:	
Patient Preparation:	
Collect:	Liver tissue obtained with an 18 gauge needle.
Specimen Preparation:	Transport at least a 1 cm long specimen. Tissue can be fresh, paraffin-embedded, or dried. Also acceptable: Formalin-fixed. Specimens should be stored and transported in a metal-free container such as a royal blue (no additive).
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Specimens less than 0.25 mg (dry weight). Specimens stored or shipped in saline.
Remarks:	Age is required on test request form in order to calculate iron index.
Stability:	Paraffin block, preserved (formalin), or dried: Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Indefinitely Fresh tissue: Ambient: Unacceptable; Refrigerated: 1 week; Frozen: Indefinitely
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)
Performed:	~~Mon, Wed, Thu,~~ Fri~~, Sat~~
Reported:	3-10~~2-6~~ days
Note:	
CPT Codes:	83540
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

A Hepatic Iron Index (HII) is not calculated for patients less than 14 years. An HII less than 1.0 is consistent with normal iron accumulation. An HII 1.0 through 1.9 is consistent with mild iron accumulation such as in heterozygous hemochromatosis or alcoholic liver disease. An HII greater than 1.9 is consistent with iron overload such as in homozygous hemochromatosis, porphyria cutanea tarda, and cirrhotic liver disease. The HII will decrease with chelation, chronic blood loss, or phlebotomy.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Reference Interval:

	Male	Female
Hepatic Iron Concentration by Weight (HIC)	200-2,000 ug/g of tissue	200-1,600 ug/g of tissue
Hepatic Iron Index (HII)	Less than 1.0	Less than 1.0