MAYO CLINIC
Mayo Medical Laboratories

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: December 23, 2010
EFFECTIVE DATE: January 25, 2011

Hemoglobin S and Hemoglobin F Quantitation for Therapeutic Monitoring, Blood
#60205

USEFUL FOR: Monitoring patients with sickling disorders who have received hydroxyurea or transfusion therapy

METHODOLOGY: Cation Exchange/High-Performance Liquid Chromatography (HPLC)

Reflex Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
9180	Hemoglobin S, Scrn, B	Yes	No

Testing Algorithm:
If Hgb S is detected, Hgb S Screen will be performed, when appropriate, at an additional charge.

SPECIMEN REQUIREMENTS: Draw 6 mL EDTA whole blood, ship refrigerate

REFERENCE VALUES:

Hemoglobin F

1-30 days:	22.8-92.0%
1-2 months:	7.6-89.8%
3-5 months:	1.6-42.2%
6-8 months:	0.0-16.7%
9-12 months:	0.0-10.5%
13-17 months:	0.0-7.9%
18-23 months:	0.0-6.3%
> or =24 months:	0.0-0.9%

Hemoglobin S

All ages:	0%

CAUTIONS:

- This test is not intended for diagnostic purposes; thus, it is assumed the patient's diagnosis is established. If the patient has never been studied, hemoglobin electrophoresis is necessary (see #81626 "Hemoglobin Electrophoresis Cascade, Blood").
- This assay will not discriminate Hb S trait from homozygous sickle cell disease (S/S), nor any of the following combinations: S/C, S/D, S/G, S/E, S/beta-thalassemia, S/O-Arab, and C-Georgetown trait. The presence of Hb S will be confirmed, but any additional Hb variants will not be definitively identified.

LIST FEE: $112.50
The following test(s) may be added per the testing algorithm: $84.20 for #9180, Hemoglobin S, Screen, B

CPT CODE: 83021-Quantitation by HPLC
85660-Sickling of RBC, reduction (if appropriate)

ANALYTIC TIME: same day/ 1 day **DAY(S) SET-UP:** Monday- Saturday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Julie Breider, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710