

MULTIPLE CHANGES

NOTIFICATION DATE: December 23, 2010

EFFECTIVE DATE: January 25, 2011

Thalassemia and Hemoglobinopathy Evaluation #84158

EXPLANATION: #84158, Thalassemia and Hemoglobinopathy Evaluation will undergo multiple changes effective January 25, 2011.

- #81509, Globin Chain Electrophoresis will be removed as a possible reflex test
- #81510, Agar Electrophoresis Confirms will be removed as a possible reflex test
- #29374, HGB Electrophoresis, Molecular will be added as a possible reflex
- #60286, Hemoglobin Variant Analysis by Mass Spectrometry will be added as a possible reflex test
- #83341, Hemoglobin A2 and F will undergo reference value changes
- #81428, Hemoglobin Electrophoresis, Blood will undergo reference value change
- #9499, Alpha-Globin Gene Analysis unit code will change to #31032

New Profile Information:

Unit Code	Reporting Name	Available Separately	Always Performed
583	Hemoglobinopathy Interpretation	No	Yes
83341	Hemoglobin A2 and F	Yes	Yes
81428	Hemoglobin Electrophoresis, B	No	Yes
8689	Ferritin, S	Yes	Yes

New Reflex Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
9180	Hemoglobin S, Scrn, B	Yes	No
9095	Hemoglobin, Unstable, B	Yes	No
81644	IEF Confirms	No	No
8270	Hemoglobin F, Red Cell Distrib, B	Yes	No
31032	Alpha-Globin Gene Analysis	Yes	No
29374	HGB Electrophoresis, Molecular	No	No
60286	Hb Variant by Mass Spec	No	No

CURRENT REFERENCE VALUES:

HEMOGLOBIN A

0-30 days: 10-40% *

1-14 months: Adult values attained by 6 months. *

> or = 15 months: 95-98%

HEMOGLOBIN A2

0-30 days: <1%*

1-11 months: Adult values attained by 12 months.*

> or =1 year: 2.0-3.3%

HEMOGLOBIN F

0-30 days: 60-90%*

1-23 months: Adult values attained by 24 months.*

> or =24 months: 0-2%

NEW REFERENCE VALUES:

HEMOGLOBIN A

1-30 days:	5.9-77.2%
1-2 months:	7.9-92.4%
3-5 months:	54.7-97.1%
6-8 months:	80.0-98.0%
9-12 months:	86.2-98.0%
13-17 months:	88.8-98.0%
18-23 months:	90.4-98.0%
> or =24 months:	95.8-98.0%

HEMOGLOBIN A2

1-30 days:	0.0-2.1%
1-2 months:	0.0-2.6%
3-5 months:	1.3-3.1%
> or =6 months:	2.0-3.3%

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%

List Fee:

\$436.60

The following test(s) may be added per the testing algorithm:

\$153.10 for #8270 "Hemoglobin F, Red Cell Distribution, Blood"

\$125.00 for #9095 "Hemoglobin, Unstable, Blood"

\$84.20 for #9180 "Hemoglobin S, Screen, Blood"

\$557.00 for #31032 "Alpha-Globin Gene Analysis"

\$118.00 for #60286 "Hemoglobin Variant by Mass Spectrometry (MS), Blood"

\$52.60 for #81644 "IEF Confirms"

\$350.00 for #29374 "Hemoglobin Electrophoresis, Molecular

CPT CODE:

"Thalassemia and Hemoglobinopathy Evaluation"

82728-Ferritin

83020-Hemoglobin electrophoresis

83021-Hemoglobin A2 and F

"IEF Confirms"

82664 (if appropriate)

"Hemoglobin, Unstable, Blood"

83068 (if appropriate)

"Hemoglobin Variant by Mass Spectrometry (MS), Blood"

83789 (if appropriate)

"Hemoglobin Electrophoresis, Molecular"

83891-Isolation or extraction of highly purified nucleic acid (if appropriate)

83898 x 4-Amplification, target, each nucleic acid sequence (if appropriate)

83900-Amplification, target, multiplex, first 2 nucleic acid sequences (if appropriate)

83904 x 12-Mutation identification by sequencing, single segment, each segment (if appropriate)

83909 x 13-Separation and identification by high-resolution technique (if appropriate)

83914 x 8-Mutation identification by enzymatic ligation or primer extension, single segment, each segment (if appropriate)

"Alpha Globin Gene Analysis"

83891-Isolation or extraction of highly purified nucleic acid (if appropriate)

83892-Enzymatic digestion (if appropriate)

83894-Separation by gel electrophoresis (if appropriate)

83900 x 2-Amplification, target, multiplex, first 2 nucleic acid sequences (if appropriate)

83909-Separation and identification by high-resolution technique (if appropriate)

83912-Interpretation and report (if appropriate)

83914 x15-Mutation identification by enzymatic ligation or primer extension, single segment, each segment (if appropriate)

"Hemoglobin S, Screen, Blood"

85660 (if appropriate)

"Hemoglobin F, Red Cell Distribution, Blood"

88184 (if appropriate)

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
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