

Reporting Title: Hb Variant, A2 and F Quantitation,B
Performing Location: Rochester

Ordering Guidance:

This test is intended for monitoring purposes, such as the increase in hemoglobin F after therapy or the levels of hemoglobin variants after transfusion.

If the patient has never been appropriately studied, hemoglobin electrophoresis is necessary; see HBEL1 / Hemoglobin Electrophoresis Evaluation, Blood.

Multiple hematology evaluations are available. For information on testing that is performed with each evaluation, see [Benign Hematology Evaluation Comparison](#).

Specimen Requirements:

Container/Tube:

Preferred: Lavender top (EDTA)
Acceptable: Yellow top (ACD) or green top (heparin)

Specimen Volume: 4 mL

Collection Instructions:

- 1. Submit fresh specimen.
- 2. Send whole blood specimen in original tube. **Do not aliquot.**

Forms:

- 1. [Metabolic Hematology Patient Information](#) (T810)
- 2. If not ordering electronically, complete, print, and send a [Benign Hematology Test Request Form](#) (T755) with the specimen.

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Refrigerated	10 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
41927	Hb A	Numeric	%	20572-4
41928	Hb F	Numeric	%	32682-7
41929	Hb A2	Numeric	%	4552-6
41930	Variant 1	Alphanumeric	%	24469-9
41931	Variant 2	Alphanumeric	%	24469-9
41932	Variant 3	Alphanumeric	%	24469-9
41933	HGBCE Interpretation	Alphanumeric		78748-1

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83020

Reference Values:

HEMOGLOBIN A

- 0-30 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

- 0-30 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

- 0-30 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%

VARIANT 1

0.0

VARIANT 2

0.0

VARIANT 3

0.0