

---

**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.

**Specimen Minimum Volume:**

1 mL

**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