

**Reporting Title:** Erythrocytosis Evaluation**Performing Location:** Rochester**Ordering Guidance:**

Polycythemia vera and acquired causes of erythrocytosis should be excluded before ordering this evaluation.

**Necessary Information:**

Send the following information with the specimen:

- Recent transfusion information
- Most recent complete blood cell count (CBC) results and serum erythropoietin (EPO) levels, if known

Metabolic Hematology Patient Information (T810) is strongly recommended and should include clinical and family history, CBC results, EPO levels, and JAK2 testing results, if known. Testing may proceed without this information; however, it allows for a more complete interpretation.

**Specimen Requirements:**

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD solution B), green top (sodium heparin)

Specimen Volume: 5 mL

Collection Instructions: Send whole blood specimen in original tube. Do not aliquot.

**Specimen Minimum Volume:**

2.5 mL

**Forms:**

1. New York Clients-Informed consent is required. Document on the request form or electronic order that a copy is on file. The following documents are available:

- Informed Consent for Genetic Testing (T576)
- Informed Consent for Genetic Testing-Spanish (T826)

2. Metabolic Hematology Patient Information (T810)

3. If not ordering electronically, complete, print, and send a Benign Hematology Test Request (T755) with the specimen.

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Refrigerated	7 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
608426	Erythrocytosis Interpretation	Alphanumeric		59466-3
608440	Reviewed By	Alphanumeric		18771-6
41927	Hb A <b>Also used by tests: HGBCE</b>	Numeric	%	20572-4
41928	Hb F <b>Also used by tests: HGBCE</b>	Numeric	%	32682-7
41929	Hb A2 <b>Also used by tests: HGBCE</b>	Numeric	%	4552-6
41930	Variant 1 <b>Also used by tests: HGBCE</b>	Alphanumeric	%	24469-9
41931	Variant 2 <b>Also used by tests: HGBCE</b>	Alphanumeric	%	24469-9
41932	Variant 3 <b>Also used by tests: HGBCE</b>	Alphanumeric	%	24469-9
41933	HGBCE Interpretation <b>Also used by tests: HGBCE</b>	Alphanumeric		78748-1
65615	HPLC Hb Variant, B	Alphanumeric		No LOINC Needed
60286	Hb Variant by Mass Spec, B	Alphanumeric		No LOINC Needed

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
REVEI	Erythrocytosis Interpretation			Yes	No
HGBCE	Hb Variant, A2 and F Quantitation,B			Yes	Yes

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
HPLC	HPLC Hb Variant, B			Yes	No
MASS	Hb Variant by Mass Spec, B			Yes	No

**CPT Code Information:**

83020-26  
83020  
83021  
83789  
83068 (if appropriate)  
82664 (if appropriate)  
88184 (if appropriate)

**Reflex Tests:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
SDEX	Sickle Solubility, B			No	Yes
HEMP	Hereditary Erythrocytosis Mut, B			No	Yes
BPGMM	BPGM Full Gene Sequencing			No	Yes
VHLE	VHL Gene Erythrocytosis Mutations			No	Yes (Order VHLZZ)
IEF	Isoelectric Focusing, B			No	No
UNHB	Hb Stability, B			No	No
HPFH	Hb F Distribution, B			No	No
ATHAL	Alpha-Globin Gene Analysis			No	Yes
WASQR	Alpha Globin Gene Sequencing, B			No	Yes (Order WASEQ)
WBSQR	Beta Globin Gene Sequencing, B			No	Yes (Order WBSEQ)
WBDDR	Beta Globin Cluster Locus Del/Dup,B			No	Yes (WBDD)
WGSQR	Gamma Globin Full Gene Sequencing			No	Yes (Order WGSEQ)
REVE0	Erythrocytosis Summary Interp			No	No

**Result Codes for Reflex Tests:**

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
SDEX	9180	Sickle Solubility, B	Alphanumeric		6864-3
HEMP	34648	Molecular Interpretation	Alphanumeric		69047-9
HEMP	35000	Reviewed By	Alphanumeric		18771-6
HEMP	34645	EPOR Gene Sequencing Result	Alphanumeric		82939-0
HEMP	34647	HIF2A Gene Sequencing Result	Alphanumeric		82939-0
HEMP	34646	PHD2 Gene Sequencing Result	Alphanumeric		82939-0
BPGMM	37111	BPGM Gene Sequencing Result	Alphanumeric		No LOINC Needed
BPGMM	37112	BPGM Interpretation	Alphanumeric		69047-9
VHLE	37840	Result Summary	Alphanumeric		50397-9
VHLE	37841	Result	Alphanumeric		82939-0
VHLE	37842	Interpretation	Alphanumeric		69047-9
VHLE	37886	Known Mut Reason for Referral	Alphanumeric		42349-1
VHLE	37843	Additional Information	Alphanumeric		48767-8
VHLE	37844	Specimen	Alphanumeric		31208-2
VHLE	37845	Source	Alphanumeric		31208-2
VHLE	37846	Released By	Alphanumeric		18771-6
IEF	81644	Isoelectric Focusing, B	Alphanumeric		49316-3
UNHB	9095	Hb Stability, B	Alphanumeric		4639-1
HPFH	8270	Hb F Distribution, B	Alphanumeric		4579-9
HPFH	2104	Interpretation	Alphanumeric		59466-3
ATHAL	52834	Result Summary	Alphanumeric		50397-9
ATHAL	52835	Result	Alphanumeric		82939-0
ATHAL	52836	Interpretation	Alphanumeric		69047-9
ATHAL	54871	Additional Information	Alphanumeric		48767-8
ATHAL	52837	Specimen	Alphanumeric		31208-2
ATHAL	52838	Source	Alphanumeric		31208-2
ATHAL	52839	Method	Alphanumeric		85069-3
ATHAL	52840	Released By	Alphanumeric		18771-6

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
WASQR	47952	Alpha Globin Gene Sequencing Result	Alphanumeric		50397-9
WASQR	47953	Interpretation	Alphanumeric		59466-3
WBSQR	47954	Beta Globin Gene Sequencing Result	Alphanumeric		50397-9
WBSQR	47955	Interpretation	Alphanumeric		59466-3
WBDDR	48356	Beta Globin Cluster Locus Del/Dup	Alphanumeric		50397-9
WBDDR	48355	Reviewed by	Alphanumeric		18771-6
WBDDR	48357	Interpretation	Alphanumeric		59466-3
WGSQR	47950	Gamma Globin Gene Sequencing Result	Alphanumeric		50397-9
WGSQR	47951	Gamma Globin Interpretation	Alphanumeric		59466-3
REVE0	608094	Erythrocytosis Summary Interp	Alphanumeric		59465-5
REVE0	608116	Reviewed By	Alphanumeric		18771-6

**Reference Values:**

Definitive results and an interpretive report will be provided.