



# Test Definition: REVE2

Erythrocytosis Evaluation, Blood

**Reporting Title:** Erythrocytosis Evaluation

**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**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

[Hereditary Erythrocytosis 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)

**Specimen Volume:** 5 mL

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

**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. [Hereditary Erythrocytosis Patient Information](#)**
- 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®
60286	Hb Variant by Mass Spec, B	Alphanumeric		No LOINC Needed
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
65615	HPLC Hb Variant, B	Alphanumeric		No LOINC Needed

608426	Erythrocytosis Interpretation	Alphanumeric		59466-3
608440	Reviewed By	Alphanumeric		18771-6

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

### Supplemental Report:

No

### Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
REVEI	Erythrocytosis Interpretation	1	83020	Yes	No
HGBCE	Hb Variant, A2 and F Quantitation, B	1	83020	Yes	Yes
HPLC	HPLC Hb Variant, B	1	83021	Yes	No
MASS	Hb Variant by Mass Spec, B	1	83789	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	Available Separately
SDEX	Sickle Solubility, B	1	85660	No	Yes
IEF	Isoelectric Focusing, B	1	82664	No	No
UNHB	Hb Stability, B	1	83068	No	No
HPFH	Hb F Distribution, B	1	88184	No	No
WASQR	Alpha Globin Gene Sequencing, B	1	81259	No	Yes, (Order WASEQ)
WBSQR	Beta Globin Gene Sequencing, B	1	81364	No	Yes, (Order WBSEQ)
WGSQR	Gamma Globin Full Gene Sequencing	1	81479	No	Yes, (Order WGSEQ)
REVE0	Erythrocytosis Summary Interp			No	No
WAGDR	Alpha Globin Clustr Locus Del/Dup, B	1	81269	No	Yes, (Order AGDD)
WBGDR	Beta Globin Gene Cluster, Del/Dup, B	1	81363	No	Yes, (Order WBGDD)
NHEP	Erythrocytosis Full Panel, NGS	1	81404	No	Yes

### Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
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IEF	81644	Isoelectric Focusing, B	Alphanumeric	49316-3
SDEX	9180	Sickle Solubility, B	Alphanumeric	6864-3
HPFH	8270	Hb F Distribution, B	Alphanumeric	4579-9
HPFH	2104	Interpretation	Alphanumeric	59466-3
UNHB	9095	Hb Stability, B	Alphanumeric	4639-1
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
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
NHEP	619020	Test Description	Alphanumeric	62364-5
NHEP	619021	Specimen	Alphanumeric	31208-2
NHEP	619022	Source	Alphanumeric	31208-2
NHEP	619023	Result Summary	Alphanumeric	50397-9
NHEP	619024	Result	Alphanumeric	82939-0
NHEP	619025	Interpretation	Alphanumeric	59465-5
NHEP	619026	Additional Results	Alphanumeric	82939-0
NHEP	619027	Resources	Alphanumeric	99622-3
NHEP	619028	Additional Information	Alphanumeric	48767-8
NHEP	619029	Method	Alphanumeric	85069-3
NHEP	619030	Genes Analyzed	Alphanumeric	82939-0
NHEP	619031	Disclaimer	Alphanumeric	62364-5
NHEP	619032	Released By	Alphanumeric	18771-6
WBGDR	620977	Beta Globin Gene Cluster Del/Dup	Alphanumeric	101634-4
WBGDR	620978	Reviewed by	Alphanumeric	18771-6
WBGDR	620976	Interpretation	Alphanumeric	69047-9
WAGDR	621362	Result Summary	Alphanumeric	50397-9
WAGDR	621363	Result	Alphanumeric	82939-0
WAGDR	621364	Interpretation	Alphanumeric	69047-9
WAGDR	621365	Additional Information	Alphanumeric	48767-8
WAGDR	621366	Specimen	Alphanumeric	31208-2
WAGDR	621367	Source	Alphanumeric	31208-2
WAGDR	621368	Method	Alphanumeric	85069-3
WAGDR	621804	Disclaimer	Alphanumeric	62364-5
WAGDR	621369	Released By	Alphanumeric	18771-6

**Reference Values:**

Definitive results and an interpretive report will be provided.