

**Reporting Title: RBC Enzyme Evaluation****Performing Location:** Rochester**Necessary Information:**

Metabolic Hematology Patient Information (T810) is strongly recommended and should include clinical history. Testing may proceed without this information, however if the information requested is received, it allows for a more complete interpretation.

**Specimen Requirements:**

Container/Tube:

Preferred: Yellow top (ACD solution B)

Acceptable: Yellow top (ACD solution A)

Specimen Volume: 12 mL

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

**Specimen Minimum Volume:**

5 mL

**Forms:**

1. Metabolic Hematology Patient Information (T810)
2. 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 ACD-B	Refrigerated	11 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
608087	Erythrocyte Enzyme Interpretation	Alphanumeric		59466-3
608109	Reviewed By	Alphanumeric		18771-6
G6PCL	G6PD Enzyme Activity, B <b>Also used by tests: G6PD1, G6PDC</b>	Numeric	U/g Hb	32546-4
PKCL	PK Enzyme Activity, B <b>Also used by tests: PK1, PKC</b>	Numeric	U/g Hb	32552-2

Result ID	Reporting Name	Type	Unit	LOINC®
GPICL	Glucose Phosphate Isomerase, B <b>Also used by tests: GPI1, GPIC</b>	Numeric	U/g Hb	44050-3
HKCL	Hexokinase, B <b>Also used by tests: HKC, HK1</b>	Numeric	U/g Hb	49216-5
AKCL	Adenylate Kinase, B <b>Also used by tests: AKC, AK1</b>	Numeric	U/g Hb	44051-1
PFKCL	Phosphofructokinase, B <b>Also used by tests: PFKC, PFK1</b>	Numeric	U/g Hb	72664-6
PGKCL	Phosphoglycerate Kinase, B <b>Also used by tests: PGKC, PGK1</b>	Numeric	U/g Hb	44053-7
TPICL	Triosephosphate Isomerase, B <b>Also used by tests: TPIC, TPI1</b>	Numeric	U/g Hb	44054-5
608409	Glutathione, B <b>Also used by tests: GSH</b>	Numeric	mg/dL RBC	2383-8
2734	Pyrimidine 5' Nucleotidase, B <b>Also used by tests: P5NT</b>	Alphanumeric		2902-5

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
EEEV1	Erythrocyte Enzyme Interpretation			Yes	No
G6PDC	G6PD Enzyme Activity, B			Yes	Yes (Order G6PD1)
PKC	PK Enzyme Activity, B			Yes	Yes (Order PK1)
GPIC	Glucose Phosphate Isomerase, B			Yes	Yes (Order GPI1)

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
HKC	Hexokinase, B			Yes	Yes (Order HK1)
AKC	Adenylate Kinase, B			Yes	Yes (Order AK1)
PFKC	Phosphofructokinase, B			Yes	Yes (Order PFK1)
PGKC	Phosphoglycerate Kinase, B			Yes	Yes (Order PGK1)
TPIC	Triosephosphate Isomerase, B			Yes	Yes (Order TPI1)
GSH	Glutathione, B			Yes	Yes
P5NT	Pyrimidine 5' Nucleotidase, B			Yes	Yes

## CPT Code Information:

82955-G6PD Enzyme Activity  
 84087-Glucose phosphate isomerase  
 84220-Pyruvate Kinase Enzyme Activity  
 82657-Hexokinase  
 82657-Adenylate Kinase  
 82657-Phosphofructokinase  
 82657-Phosphoglycerate Kinase  
 82657-Triosephosphate Isomerase  
 82978-Glutathione  
 83915-Pyrimidine 5' Nucleotidase

## Reference Values:

Definitive results and an interpretive report will be provided.