MAYO CLINIC
Mayo Medical Laboratories

Test Definition: EEEVP

Red Blood Cell (RBC) Enzyme Evaluation

Reporting Title: RBC Enzyme Evaluation
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Yellow top (ACD solution B)
Specimen Volume: 12 mL
Collection Instructions: Do not transfer blood to other containers.
Forms: If not ordering electronically, please submit a Hematopathology/Molecular Oncology Request Form (Supply T241) with the specimen.

Specimen Type	Temperature	Time
Whole Blood ACD-B	Refrigerated	8 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
21065	Erythrocyte Enzyme Interpretation	Alphanumeric		In Process
G6PD_	G-6-PD, QN, RBC **Also used by tests: G6PD**	Numeric	U/g Hb	32546-4
PK_	Pyruvate Kinase, RBC **Also used by tests: PK**	Numeric	U/g Hb	32552-2
GPI_	Glucose Phosphate Isomerase, B **Also used by tests: GPI**	Numeric	U/g Hb	44050-3
HEXK_	Hexokinase, B	Numeric	U/g Hb	49216-5

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
EEEV	Erythrocyte Enzyme Interpretation			Yes	No
G6PD	G-6-PD, QN, RBC	1	82955	Yes	Yes
PK	Pyruvate Kinase, RBC	1	84220	Yes	Yes
GPI	Glucose Phosphate Isomerase, B	1	84087	Yes	Yes

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
HEXK	Hexokinase, B	1	82657	Yes	No

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
GLTI	Glutathione, B	1	82978	No	No
RBCE	Reflexed RBC Enzymes		Profile	No	No

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
GLTI	2635	Glutathione, B	Numeric	mg/dL RBC	2383-8
RBCE	ADA_	Adenosine Deaminase, B	Numeric	U/g Hb	47549-1
RBCE	AK_	Adenylate Kinase, B	Numeric	U/g Hb	44051-1
RBCE	PFK_	Phosphofructokinase, RBC	Numeric	U/g Hb	44052-9
RBCE	PGK_	Phosphoglycerate Kinase, B	Numeric	U/g Hb	44053-7
RBCE	TPI_	Triosephosphate Isomerase, B	Numeric	U/g Hb	44054-5
RBCE	2734	Pyrimidine 5' Nucleotidase, B	Alphanumeric		2902-5

Reference Values:

Definitive results and an interpretive report will be provided.