

NEW TEST ANNOUNCEMENT

NOTIFICATION DATE: March 6, 2013 **EFFECTIVE DATE:** April 8, 2013

CREATINE KINASE ISOENZYME REFLEX, SERUM TEST ID: CKELR

USEFUL FOR: Detection of macro forms of creatine kinase

Diagnosing skeletal muscle disease, in conjunction with aldolase

METHODOLOGY:

CK: Photometric, Creatine Phosphate + ADP

CKE: Electrophoresis, Densitometry

REFERENCE VALUES:

CREATINE KINASE, TOTAL

Males

6-11 years: 150-499 U/L 12-17 years: 94-499 U/L > or =18 years: 52-336 U/L

Females

6-7 years: 134-391 U/L 8-14 years: 91-391 U/L 15-17 years: 53-269 U/L > or =18 years: 38-176 U/L

Reference values have not been established for patients that are less than 6 years of age.

CREATINE KINASE ISOENZYMES

MM: 100% MB: 0% BB: 0%

REFLEX TESTS

Test ID	Reporting Name	Available Separately	Always Performed
CKE	CK Isoenzyme Electrophoresis, S	No	No

TESTING ALGORITHM:

Testing begins with total creatine kinase analysis (CK). If the total CK activity is <100 U/L testing is complete. CK isoenzyme electrophoresis (CKE) testing will not be performed. If the total CK activity is > or =100 U/L, CK isoenzyme electrophoresis (CKE) will be performed at an additional charge.

SPECIMEN REQUIREMENTS:

Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Specimen Volume: 2 mL
Additional Information:

- 1. Patient's age and sex are required.
- 2. CK isoenzyme electrophoresis determinations are done if the CK, total is ≥ 100 U/L.
- 3. Include date and time of draw.

NOTE: Note: Strenuous exercise or intramuscular injections may cause transient elevation of CK.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Serum	Refrigerate (preferred)	7 days
	Frozen	28 days

CAUTIONS: In some patients, the presence of MB is method dependent.

Creatine kinase (CK)-MB values that exceed 50% of the total CK probably reflect unusual B subunit synthesis since heart muscle rarely exceeds 30% MB.

CPT CODE: 82550-CK, total

82552-CK isoenzymes

DAY(S) SET UP: ANALYTIC TIME:

CK, total: Monday through Sunday 1 day CK isoenzymes: Monday through Saturday 3 days