
Reporting Title: Creatine Disorders Panel, U
Performing Location: Rochester**Necessary Information:**

Patient's age and sex are required.

Specimen Requirements:

Supplies: Urine Tubes, 10 mL (T068)

Container/Tube: Plastic, 10 mL urine tube

Specimen Volume: 1 mL

Collection Instructions:

1. Collect a random urine specimen.
2. Immediately freeze urine specimen.
3. If possible, do not send other tests ordered on same vial of urine. In doing so, the other tests may have increased turnaround time due to the strict frozen criteria of this assay.

Specimen Minimum Volume:

0.5 mL

Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Frozen	29 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
23383	Creatine	Numeric	nmol/mL	15046-6
23384	Creatinine	Numeric	nmol/mL	14683-7
23385	Guanidinoacetate	Numeric	nmol/mL	97148-1
23268	Creatine/Creatinine Ratio	Alphanumeric		34275-8
23270	Creatine Disorders Panel Interp	Alphanumeric		79292-9
23272	Reviewed By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82540

82570

82542

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CRBO	Creatine, (Bill Only), U			Yes	No
CRNBO	Creatinine, (Bill Only), U			Yes	No
GAABO	Guanidinoacetate, (Bill Only), U			Yes	No

Reference Values:**Males**

Age	Creatinine (nmol/mL)	Guanidinoacetate (nmol/mL)	Creatine (nmol/mL)	Creatine/ creatinine
< or =31 days	430-5,240	9-210	12-2,930	0.02-0.93
32 days-23 months	313-9,040	16-860	18-10,490	0.02-2.49
2-4 years	1,140-12,820	90-1,260	200-9,210	0.04-1.75
5-18 years	1,190-25,270	40-1,190	60-9,530	0.01-0.96
>18 years (male)	3,854-23,340	30-710	7-470	0.00-0.04

Females

Age	Creatinine (nmol/mL)	Guanidinoacetate (nmol/mL)	Creatine (nmol/mL)	Creatine/ creatinine
< or =31 days	430-5,240	9-210	12-2,930	0.02-0.93
32 days-23 months	313-9,040	16-860	18-10,490	0.02-2.49
2-4 years	1,140-12,820	90-1,260	200-9,210	0.04-1.75
5-18 years	1,190-25,270	40-1,190	60-9,530	0.01-0.96
>18 years	1,540-18,050	30-760	5-2810	0.00-0.46