Test Definition: CRDPU

Creatine Disorders Panel, Urine

Reporting Title: Creatine Disorders Panel, U
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Plastic, 10-mL urine tube (Supply T068)
Specimen Volume: 1 mL
Collection Instructions:
1. Collect a random urine specimen.
2. Immediately freeze specimen.
Forms:
1. 1. New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.
2. 2. If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Urine	Frozen	7 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	In Process
23268	Creatine/Creatinine Ratio	Numeric		13484-1
23270	Creatine Disorders Panel Interp	Alphanumeric		59462-2
23272	Reviewed By	Numeric		N/A

CPT Code Information:

82540-Creatine
82570-Creatinine
83789-Guanidinoacetate

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
23466	Creatine, (Bill Only), U	1	82540	Yes	No
23467	Creatinine, (Bill Only), U	1	82570	Yes	No
23468	Guanidinoacetate, (Bill Only), U	1	83789	Yes	No

Reference Values:

Males

Age	Creatinine (nmol/mL)	Guanidinoacetate (nmol/mL)	Creatine (nmol/mL)	Creatine/ Creatinine
< or =31 days	430-5240	9-210	12-2930	0.02-0.93
32 days-23 months	313-9040	16-860	18-10490	0.02-2.49
2-4 years	1140-12820	90-1260	200-9210	0.04-1.75
5-18 years	1190-25270	40-1190	60-9530	0.01-0.96
>18 years (male)	3854-23340	30-710	7-470	0.00-0.04

Females

Age	Creatinine (nmol/mL)	Guanidinoacetate (nmol/mL)	Creatine (nmol/mL)	Creatine/ Creatinine
< or =31 days	430-5240	9-210	12-2930	0.02-0.93
32 days-23 months	313-9040	16-860	18-10490	0.02-2.49
2-4 years	1140-12820	90-1260	200-9210	0.04-1.75
5-18 years	1190-25270	40-1190	60-9530	0.01-0.96
>18 years	1540-18050	30-760	5-2810	0.00-0.46