MAYO CLINIC LABORATORIES

Test Definition: C5DCU

C5-DC Acylcarnitine, Quantitative, Random, Urine

Reporting Title: C5-DC Acylcarnitine, QN, U
Performing Location: Rochester

Ordering Guidance:

This second-tier test is used specifically to evaluate a newborn screening elevation of glutarylcarnitine and must not be ordered with either C4U / C4 Acylcarnitine, Quantitative, Random, Urine or C5OHU / C5-OH Acylcarnitine, Quantitative, Random, Urine.

For general screening for metabolic disorders, see OAU / Organic Acids Screen, Random, Urine; ACRN / Acylcarnitines, Quantitative, Plasma; and AAQP / Amino Acids, Quantitative, Plasma.

Necessary Information:

Include patient's age, family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.

Specimen Requirements:

Patient Preparation: If clinically feasible, discontinue L-carnitine supplementation at least 72 hours before specimen collection.
Supplies: Urine Tubes, 10 mL (T068)
Collection Container/Tube: Clean, plastic urine collection container
Submission Container/Tube: Plastic, 10-mL urine tube
Specimen Volume: 5 mL
Collection Instructions:
1. Collect a random urine specimen.
2. Freeze specimen immediately.

Specimen Minimum Volume:

1 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 (preferred)	7 days	
	Refrigerated	24 hours	

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Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
88831	C5-DC Acylcarnitine, QN, U	Numeric	mmol/mol Cr	54279-5
28126	C5-DC Interpretation	Alphanumeric		59462-2
34470	Reviewed By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82017

Reference Values:

<1.54 millimoles/mole creatinine