MAYO CLINIC
Mayo Medical Laboratories

Test Definition: ACYLG

Acylglycines, Quantitative, Urine

Reporting Title: Acylglycines, QN, U
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Plastic, 10-mL urine tube (Supply T068)
Specimen Volume: 10 mL
Collection Instructions:
1. Collect a random urine specimen.
2. No preservative.
Additional Information:
1. Patient's age is required.
2. Include family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.
Forms: If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Urine	Frozen (preferred)	416 days
	Refrigerated	24 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
21011	Ethylmalonic Acid	Numeric	mg/g Cr	13741-4
21012	2-Methylsuccinic acid	Numeric	mg/g Cr	13777-8
21013	Glutaric acid	Numeric	mg/g Cr	13748-9
21014	Isobutyrylglycine	Numeric	mg/g Cr	38360-4
23387	n-Butyrylglycine	Numeric	mg/g Cr	27892-9
21015	2-Methylbutyrylglycine	Numeric	mg/g Cr	27097-5
21016	Isovalerylglycine	Numeric	mg/g Cr	13766-1
23388	n-Hexanoylglycine	Numeric	mg/g Cr	13753-9
21017	n-Octanoylglycine	Numeric	mg/g Cr	38367-9
23389	3-Phenylpropionylglycine	Numeric	mg/g Cr	13793-5
23390	Suberylglycine	Numeric	mg/g Cr	13811-5
21018	trans-Cinnamoylglycine	Numeric	mg/g Cr	38417-2
21019	Dodecanedioic acid	Numeric	mg/g Cr	13732-3
21020	Tetradecanedioic acid	Numeric	mg/g Cr	50333-4

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Result ID	Reporting Name	Type	Unit	LOINC®
21021	Hexadecanedioic acid	Numeric	mg/g Cr	38365-3
23414	Interpretation	Alphanumeric		59462-2
23416	Reviewed By	Numeric		N/A

CPT Code: 1 × 82544

Reference Values:

Control Values Results Expressed as mg/g Creatinine	
	Range
Ethylmalonic Acid	0.5-20.2
2-Methylsuccinic Acid	0.4-13.8
Glutaric Acid	0.6-15.2
Isobutyrylglycine	0.00-11.0
n-Butyrylglycine	0.1-2.1
2-Methylbutyrylglycine	0.3-7.5
Isovalerylglycine	0.3-14.3
n-Hexanoylglycine	0.2-1.9
n-Octanoylglycine	0.1-2.1
3-Phenylpropionylglycine	0.00-1.1
Suberylglycine	0.00-11.0
trans -Cinnamoylglycine	0.2-14.7
Dodecanedioic Acid (12 DCA)	0.00-1.1
Tetradecanedioic Acid (14 DCA)	0.00-1.0
Hexadecanedioic Acid (16 DCA)	0.00-1.0