

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 3/7/2023
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Organic Acids, Urine

ARUP test code 0098389

Creatinine, Urine 12 mg/dL

Organic Acids, Urine Interpretation

See Note

1) Lactic/pyruvic aciduria, mild elevated excretion of intermediates of the citric acid cycle could be secondary to hypoxia/poor perfusion/seizures. 2) Mild ketonuria and mild dicarboxylic aciduria suggesting catabolic state. 3) Mildly increased excretion of methylmalonic acid could be nutritional in origin (vitamin B12 deficiency/insufficiency). If infant is breastfed, would also exclude maternal vitamin B12 deficiency. Clinical correlation is necessary for further interpretation of this result.

Organic Acid, Urine results are reported in mmol/mol creatinine

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Lactic Acid, Urine **417** **H** (Ref Interval: 0-150)

Pyruvic Acid, Urine **99** **H** (Ref Interval: 0-30)

Succinic Acid, Urine 28 (Ref Interval: 0-80)

Fumaric Acid, Urine **34** **H** (Ref Interval: 0-10)

2-Ketoglutaric Acid, Urine **249** **H** (Ref Interval: 0-120)

Methylmalonic Acid, Urine **18** **H** (Ref Interval: 0-5)

H=High, L=Low, *=Abnormal, C=Critical

3-OH-Butyric Acid, Urine	84	H	(Ref Interval: 0-4)
Acetoacetic Acid, Urine	16	H	(Ref Interval: 0-4)
2-Keto-3-methylvaleric Acid, Urine	8		(Ref Interval: 0-10)
2-Ketoisocaproic Acid, Urine	2		(Ref Interval: 0-4)
2-Ketoisovaleric Acid, Urine	5	H	(Ref Interval: 0-4)
Ethylmalonic Acid, Urine	20	H	(Ref Interval: 0-15)
Adipic Acid, Urine	30		(Ref Interval: 0-35)
Suberic Acid, Urine	15	H	(Ref Interval: 0-10)
Sebacic Acid, Urine	4	H	(Ref Interval: 0-3)
4-OH-phenylacetic Acid, Urine	22		(Ref Interval: 0-100)
4-OH-phenyllactic Acid, Urine	6	H	(Ref Interval: 0-4)
4-OH-phenylpyruvic Acid, Urine	3	H	(Ref Interval: 0-2)
Succinylacetone, Urine	Not Detected		(Ref Interval: 0-0)

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-298-117308
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Organic Acids, Urine Interpretation	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lactic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pyruvic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Succinic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fumaric Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoglutaric Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methylmalonic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
3-OH-Butyric Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Acetoacetic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Keto-3-methylvaleric Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoisocaproic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoisovaleric Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethylmalonic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Adipic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Suberic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sebacic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenylacetic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenyllactic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenylpyruvic Acid, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Succinylacetone, Urine	23-298-117308	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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