

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/10/1972
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Purines and Pyrimidines Panel, Urine

ARUP test code 2014523

Interpretation (PUPYU)

SEE NOTE

POSITIVE In this urine sample, the concentrations of xanthine, hypoxanthine, and s-sulfocysteine were elevated, and uric acid was low. These findings are suggestive of a biochemical diagnosis of molybdenum cofactor deficiency (MOCD). Consider molecular analysis of GPHN, MOCS1, and MOCS2 for confirmation of type of MOCD. Please contact the Biochemical Genetics consultant on call (1-800-533-1710) if you have any questions.

-----ADDITIONAL INFORMATION-----

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)
This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Uracil	20 mmol/mol CRT	(Ref Interval: <= 20)
Thymine	3 mmol/mol CRT	(Ref Interval: <= 3)
Adenine	3 mmol/mol CRT	(Ref Interval: <= 3)
Hypoxanthine	422 mmol/mol CRT	H (Ref Interval: <= 30)
Xanthine	364 mmol/mol CRT	H (Ref Interval: <= 20)
Orotic Acid (PUPYU)	4 mmol/mol CRT	(Ref Interval: <= 5)
Dihydroorotic	3 mmol/mol CRT	(Ref Interval: <= 3)

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

Unless otherwise indicated, testing performed at:

Uric Acid	51 mmol/mol CRT L	(Ref Interval: 70-700)
Deoxythymidine	3 mmol/mol CRT	(Ref Interval: <= 3)
Deoxyuridine	3 mmol/mol CRT	(Ref Interval: <= 3)
Thymidine	3 mmol/mol CRT	(Ref Interval: <= 3)
Uridine	3 mmol/mol CRT	(Ref Interval: <= 3)
Deoxyadenosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Deoxyinosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Deoxyguanosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Adenosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Inosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Guanosine	3 mmol/mol CRT	(Ref Interval: <= 3)
AICAR	3 mmol/mol CRT	(Ref Interval: <= 3)
Succinyladenosine	3 mmol/mol CRT	(Ref Interval: <= 3)
Dihydrouracil	6 mmol/mol CRT	(Ref Interval: <= 6)
Dihydrothymine	3 mmol/mol CRT	(Ref Interval: <= 3)
N-carbamoyl-beta-alanine	10 mmol/mol CRT	(Ref Interval: <= 10)

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

Unless otherwise indicated, testing performed at:

N-carbamoyl-beta-aminoisobutyric Acid 3 mmol/mol CRT (Ref Interval: <= 3)

S-Sulfocysteine **89 mmol/mol CRT** **H** (Ref Interval: <= 5)

Reviewed By (PUPYU)

SEE NOTE

RESULT: Jennifer Herman

Test Performed by:

Mayo Clinic Laboratories - Rochester Main Campus

200 First Street SW, Rochester, MN 55905

Lab Director: William G. Morice M.D. Ph.D.; CLIA# 24D0404292

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Interpretation (PUPYU)	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Uracil	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Thymine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Adenine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hypoxanthine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Xanthine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Orotic Acid (PUPYU)	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Dihydroorotic	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Uric Acid	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Deoxythymidine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Deoxyuridine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Thymidine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Uridine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Deoxyadenosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Deoxyinosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Deoxyguanosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Adenosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Inosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Guanosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
AICAR	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Succinyladenosine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Dihydrouracil	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Dihydrothymine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
N-carbamoyl-beta-alanine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
N-carbamoyl-beta-aminoisobutyric Acid	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
S-Sulfocysteine	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Reviewed By (PUPYU)	21-145-104407	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 21-145-104407
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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