

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/31/2009
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Mucopolysaccharidoses Type 1/2, Total Heparan Sulfate and NRE (Sensi-Pro(R)) Quantitative, Urine

ARUP test code 3003552

MPS 1/2 Creatinine, Urine 235 mg/dL

MPS 1/2 Urine Interpretation

See Note

ABNORMAL. Markedly elevated concentration of heparan sulfate and the two non-reducing ends specific of iduronidase deficiency, I0S0 and I0S6, consistent with Mucopolysaccharidosis type I (Hurler syndrome, deficiency of alpha-iduronidase). Total GAGs, measured with the BMD spectrophotometric assay, were also elevated (61.9 mg/mmol creatinine; normal range: 14.6-47.8 mg/mmol creatinine). Would evaluate enzyme activity and consider molecular testing to confirm this finding. Genetic evaluation is recommended.

INTERPRETIVE INFORMATION: MPS 1/2, Urine

Total Heparan Sulfate, Urine is a sum of the internal disaccharides D0A0 and D0S0.
NRE = Non Reducing End

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.

Total Heparan Sulfate, Urine **1.517 mg/mmol**CRT **H** (Ref Interval: 0.007-0.422)

IoSo (MPS 1 NRE), Urine **0.075 mg/mmol**CRT **H** (Ref Interval: <=0.002)

IoS6 (MPS 1 NRE), Urine **0.343 mg/mmol**CRT **H** (Ref Interval: <=0.020)

I2So (MPS 2 NRE), Urine <0.001 mg/mmol CRT (Ref Interval: <=0.010)

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MPS 1/2 Creatinine, Urine	21-034-104294	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MPS 1/2 Urine Interpretation	21-034-104294	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Heparan Sulfate, Urine	21-034-104294	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IoSo (MPS 1 NRE), Urine	21-034-104294	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IoS6 (MPS 1 NRE), Urine	21-034-104294	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
I2So (MPS 2 NRE), Urine	21-034-104294	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: 21-034-104294
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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