

Client: ARUP Example Report Only
500 Chipeta Way
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example Abnormal

DOB: 8/16/2002
Sex: Female
Patient Identifiers: 41648
Visit Number (FIN): 01234567890ABC
Collection Date: 8/16/2022 15:51

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 **1.540 mg/mmol**CRT H (Ref Interval: 0.007-0.422)

IoSo (MPS 1 NRE), Urine **0.048 mg/mmol**CRT H (Ref Interval: <=0.002)

IoS6 (MPS 1 NRE), Urine **0.337 mg/mmol**CRT H (Ref Interval: <=0.020)

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

EER MPS 1/2 Urine See Note
 Authorized individuals can access the ARUP Enhanced Report using the following link:
 [REDACTED]

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 Abnormal
ARUP Accession: 22-228-122427
Patient Identifiers: 41648
Visit Number (FIN): 01234567890ABC
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
MPS 1/2 Creatinine, Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
MPS 1/2 Urine Interpretation	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
Total Heparan Sulfate, Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
IoSo (MPS 1 NRE), Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
IoS6 (MPS 1 NRE), Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
I2So (MPS 2 NRE), Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM
EER MPS 1/2 Urine	22-228-122427	8/16/2022 3:51:00 PM	8/16/2022 4:43:43 PM	8/16/2022 4:56 00 PM

END OF CHART

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