

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, Serum or Plasma

ARUP test code 3003566

MPS 1/2 Serum/Plasma Interpretation

See Note

In this sample the concentration of I2S0, non-reducing end (NRE) specific for iduronate-2-sulfatase deficiency, and the concentration of heparan sulfate were increased, with normal concentration of I0S0 and I0S6, NREs specific for iduronidase deficiency. This pattern is most consistent with mucopolysaccharidosis type II (Hunter Syndrome), however would evaluate enzyme activity together with that of other sulfatases to confirm this finding and exclude multiple sulfatase deficiency. Would also consider molecular testing. Genetic evaluation is recommended. Clinical correlation is necessary for further interpretation of this result.

INTERPRETIVE INFORMATION: MPS 1/2, Serum/Plasma

Total Heparan Sulfate, Serum/Plasma 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, Serum/Plasma **589 ng/mL H (Ref Interval: <=338)**

IoSo (MPS 1 NRE), Serum/Plasma <5 ng/mL (Ref Interval: <=12)

IoS6 (MPS 1 NRE), Serum/Plasma <5 ng/mL (Ref Interval: <=12)

I2So (MPS 2 NRE), Serum/Plasma **52 ng/mL H (Ref Interval: <=43)**

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MPS 1/2 Serum/Plasma Interpretation	21-034-104348	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Heparan Sulfate, Serum/Plasma	21-034-104348	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IoSo (MPS 1 NRE), Serum/Plasma	21-034-104348	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IoS6 (MPS 1 NRE), Serum/Plasma	21-034-104348	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
I2So (MPS 2 NRE), Serum/Plasma	21-034-104348	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: 21-034-104348
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 2 | Printed: 2/11/2021 11:13:25 AM
4848