

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 5/22/2014
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Alpha-Iduronidase Enzyme Activity in Leukocytes

ARUP test code 2011415

Alpha-Iduronidase, Leukocytes, Interp

See Note

In this sample, alpha-L-iduronidase activity was markedly reduced, and suggestive of a diagnosis of Mucopolysaccharidosis type I (Hurler/Hurler-Scheie/Scheie), although alpha-L-iduronidase activity is typically undetectable in these patients. These levels have been described in carriers of pseudodeficiency alleles. Pseudodeficiency has been shown for this enzyme due to specific variants affecting the exogenous substrate used by this assay, but not endogenous substrates. Consideration should be given to molecular testing of the IDUA gene to exclude MPSI or pseudodeficiency. Genetic evaluation is recommended. This test cannot predict disease severity. Additionally, this test does NOT evaluate enzyme activities deficient in other mucopolysaccharidoses.

Results reviewed and interpreted by [REDACTED]

INTERPRETIVE INFORMATION: Alpha-Iduronidase, Leukocytes

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.

Alpha-Iduronidase Activity, Leukocytes

1.1 L (Ref Interval: 12.0-65.0)

Units of measure for alpha-L-iduronidase activity (Mucopolysaccharidosis type I) are: Nanomoles of substrate hydrolyzed per hour per mg of protein.

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Alpha-Iduronidase, Leukocytes, Interp	24-144-116290	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-Iduronidase Activity, Leukocytes	24-144-116290	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
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 24-144-116290
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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