ARUP LABORATORIES
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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	12/29/2025
Sex:	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. Cannot exclude Mucopolysaccharidosis type I (Hurler/Hurler-Scheie/Scheie); however, 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 confirm this finding. Genetic evaluation is recommended.

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

1.4 nmol/h/mg **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.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Alpha-Iduronidase, Leukocytes, Interp	26-119-110242	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-Iduronidase Activity, Leukocytes	26-119-110242	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