

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB** 4/15/1966  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Lactate to Pyruvate Ratio, Whole Blood**

ARUP test code 2007935

Lactic Acid 1.76 mmol/L (Ref Interval: 0.31-2.00)

Pyruvic Acid 0.088 mmol/L (Ref Interval: 0.030-0.107)

Lactate to Pyruvate Ratio 20

INTERPRETIVE INFORMATION: Lactate to Pyruvate Ratio, whole Blood

The blood lactate to pyruvate (L:P) ratio is used to distinguish between pyruvate dehydrogenase deficiency and other causes of congenital lactic acidosis. In conjunction with an elevated lactate, an L:P ratio greater than 30 suggests inherited disorders of the respiratory chain complex or tricarboxylic acid cycle disorders. In conjunction with an elevated lactate, an L:P ratio less than 25 suggests a defect in pyruvate metabolism. An artifactually high L:P ratio can be observed in acutely ill individuals. Abnormal concentrations of lactate, pyruvate, and the L:P ratio are not diagnostic for any single disorder and must be interpreted in the context of the individual's clinical presentation and other laboratory studies.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Lactic Acid	19-254-129944	9/11/2019 4:35:00 PM	9/13/2019 7:22:06 AM	9/14/2019 2:22:00 PM
Pyruvic Acid	19-254-129944	9/11/2019 4:35:00 PM	9/13/2019 7:22:06 AM	9/14/2019 2:22:00 PM
Lactate to Pyruvate Ratio	19-254-129944	9/11/2019 4:35:00 PM	9/13/2019 7:22:06 AM	9/14/2019 2:22:00 PM

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: 19-254-129944  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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