

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 1/31/1954  
**Sex:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Cold Agglutinins**

ARUP test code 0050175

Cold Agglutinins

<1:32 (Ref Interval: <1:32)

INTERPRETIVE INFORMATION: Cold Agglutinins

Titers of 1:32 or higher are considered elevated by this technique. Elevated titers are rarely seen except in primary atypical pneumonia and in certain hemolytic anemias. If the agglutination is not reversible after incubation at 37 degrees Celsius, then the reaction is not due to cold agglutinins.

Primary atypical pneumonia can be caused by Mycoplasma pneumoniae, influenza A, influenza B, parainfluenza, and adenoviruses. However, a fourfold rise in the cold agglutinins usually begins to appear late in the first week or during the second week of the disease and begins to decrease between the fourth and sixth week. Low titers of cold agglutinins have been demonstrated in malaria, peripheral vascular disease, and common respiratory disease.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Cold Agglutinins	22-041-131110	2/10/2022 9:20:00 AM	2/12/2022 12:45:19 AM	2/13/2022 7:01:00 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  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-041-131110  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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