

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 5/11/1963  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Paroxysmal Nocturnal Hemoglobinuria, High Sensitivity, RBC**

ARUP test code 2004366

% PNH RBC 0.001 % (Ref Interval: 0.000-0.004)

No RBC PNH clone identified.

**INTERPRETIVE INFORMATION:** Paroxysmal Nocturnal Hemoglobinuria, High Sensitivity, RBC

This assay tests for CD59 on erythrocytes using flow cytometry. The percentage of red blood cells (RBCs) with normal expression of CD59 is decreased in paroxysmal nocturnal hemoglobinuria (PNH). The presence of a subclinical PNH population (0.005-1.000 percent) in myelodysplastic bone marrow disorders, such as aplastic anemia or refractory anemia, may correlate with a positive immunotherapeutic response (Blood 2006; 107, 1308-1314).

The lower limit of detection of this test is 0.005 percent PNH cells. This test will distinguish between Type II and Type III cells when the PNH cell percentage is 1 percent or greater. Glycophorin A (CD235a) is used to gate the RBC population. CD59 is the GPI-linked antigen. Recent RBC transfusions may decrease the percentage of PNH cells measured in RBCs (Cytometry 2000; 42:223-33).

For the most accurate measurement of the PNH clone size, order PNH High Sensitivity WBC (ARUP test code 2005003) to assist with therapeutic decisions in conventional PNH.

For initial diagnosis of PNH and analysis of both RBCs and WBCs, order PNH High Sensitivity RBC and WBC Panel (ARUP test code 2005006).

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

**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: 19-060-105429  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
% PNH RBC	19-060-105429	3/1/2019 8:33:00 AM	3/2/2019 11:54:50 AM	3/3/2019 4:49:00 PM

END OF CHART

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

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