

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 8/21/1940  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Lymphocyte Proliferation, Mitogen Induced, by Flow Cytometry (48-Hr Critical Room Temp)**

ARUP test code 3001321

CD45+ Cell Proliferation by PHA 60.1 % (Ref Interval: >=39.7)

CD3+ Cell Proliferation by PHA 92.3 % (Ref Interval: >=42.5)

CD19+ Cell Proliferation by PHA **22.1 % L** (Ref Interval: >=51.9)

CD45+ Cell Proliferation by Con A 40.9 % (Ref Interval: >=15.5)

CD3+ Cell Proliferation by Con A 46.8 % (Ref Interval: >=17.4)

CD45+ Cell Proliferation by PWM **8.4 % L** (Ref Interval: >=10.0)

CD3+ Cell Proliferation by PWM 17.6 % (Ref Interval: >=8.0)

CD19+ Cell Proliferation by PWM **1.2 % L** (Ref Interval: >=6.3)

Lymphocyte Proliferation-Mitogen, Interp See Note  
[REDACTED] 10/30/2019

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

Unless otherwise indicated, testing performed at:

**INTERPRETIVE INFORMATION: Lymphocyte Proliferation-Mitogen, Flow**

This test measures lymphocyte proliferation in response to stimulation with nonspecific mitogens phytohemagglutinin (PHA), concanavalin A (Con A), and pokeweed mitogen (PWM), determined by flow cytometry. Proliferating cells are detected by fluorescent labeling. Results are reported as percent proliferating cells of total specific cell populations.

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

**VERIFIED/REPORTED DATES**

Procedure	Accession	Collected	Received	Verified/Reported
CD45+ Cell Proliferation by PHA	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD3+ Cell Proliferation by PHA	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD19+ Cell Proliferation by PHA	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD45+ Cell Proliferation by Con A	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD3+ Cell Proliferation by Con A	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD45+ Cell Proliferation by PWM	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD3+ Cell Proliferation by PWM	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
CD19+ Cell Proliferation by PWM	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM
Lymphocyte Proliferation-Mitogen, Interp	19-296-401600	10/23/2019 6:54:00 AM	10/24/2019 5:17:58 PM	10/31/2019 9:19:00 AM

**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: 19-296-401600  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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