

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/10/1957  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Lymphocyte Subset Panel 6 - Total Lymphocyte Enumeration with CD45RA and CD45RO**

ARUP test code 0095862

% CD3	81 %	(Ref Interval: 62-87)
Absolute CD3	1168 cells/uL	(Ref Interval: 570-2400)
% CD4	60 %	(Ref Interval: 32-64)
Absolute CD4	857 cells/uL	(Ref Interval: 430-1800)
% CD8	22 %	(Ref Interval: 15-46)
Absolute CD8	312 cells/uL	(Ref Interval: 210-1200)
CD4:CD8 Ratio	2.73 ratio	(Ref Interval: 0.80-3.90)
% Natural Killer Cells	6 %	(Ref Interval: 4-26)
Absolute Natural Killer Cells	83 cells/uL	(Ref Interval: 78-470)
% CD19	12 %	(Ref Interval: 6-23)
Absolute CD19	177 cells/uL	(Ref Interval: 91-610)

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

Unless otherwise indicated, testing performed at:

% CD45RA	34 %	(Ref Interval: 28-71)
Absolute CD45RA	284 cells/uL	(Ref Interval: 150-870)
% CD45RO	66 %	(Ref Interval: 28-72)
Absolute CD45RO	548 cells/uL	(Ref Interval: 190-1050)

**Lymphocyte Subset Panel 6 Information**

**See Note**

INTERPRETIVE INFORMATION: Lymphocyte Subset 6, with CD45RA/CD45RO  
The CD4 cells are Helper T-cells expressing both CD3 and CD4. The CD8 cells are Cytotoxic T-cells expressing both CD3 and CD8. The B-cells express CD19 but not CD3. The NK-cells express either CD16 or CD56 (or both) but not CD3. CD3, CD4, CD8, CD19 and NK-cell percentages are reported as a percent of total lymphocytes. The CD45RA cells express both CD4 and the "naive" CD45RA antigens while CD45RO cells express both CD4 and CD45RO "memory" antigens. CD45RA and CD45RO percentages are reported as a percent of total CD4 cells. CD4 T-cell levels are a criterion for categorizing HIV-related clinical conditions by the CDC's classification system for HIV infection. The measurement of CD4 T-cell levels has been used to establish decision points for initiating P. jirovecii prophylaxis, antiviral therapy and to monitor the efficacy of treatment. The Public Health Service (PHS) has recommended that CD4 T-cell levels be monitored every three to six months in all HIV-infected persons.

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

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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: 20-025-401048  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
% CD3	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD3	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% CD4	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD4	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% CD8	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD8	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
CD4:CD8 Ratio	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% Natural Killer Cells	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute Natural Killer Cells	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% CD19	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD19	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% CD45RA	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD45RA	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
% CD45RO	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Absolute CD45RO	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM
Lymphocyte Subset Panel 6 Information	20-025-401048	1/23/2020 4:48:00 PM	1/25/2020 12:52:20 PM	1/25/2020 6:42:00 PM

END OF CHART

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Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
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Patient Identifiers: 01234567890ABCD, 012345  
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