

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/15/1967  
**Sex:** 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	73 %	(Ref Interval: 62-87)
Absolute CD3	974 cells/uL	(Ref Interval: 570-2400)
% CD4	52 %	(Ref Interval: 32-64)
Absolute CD4	692 cells/uL	(Ref Interval: 430-1800)
% CD8	20 %	(Ref Interval: 15-46)
Absolute CD8	273 cells/uL	(Ref Interval: 210-1200)
CD4:CD8 Ratio	2.60 ratio	(Ref Interval: 0.80-3.90)
% Natural Killer Cells	15 %	(Ref Interval: 4-26)
Absolute Natural Killer Cells	199 cells/uL	(Ref Interval: 78-470)
% CD19	11 %	(Ref Interval: 6-23)
Absolute CD19	144 cells/uL	(Ref Interval: 91-610)
% CD45RA	47 %	(Ref Interval: 28-71)
Absolute CD45RA	296 cells/uL	(Ref Interval: 150-870)
% CD45RO	53 %	(Ref Interval: 28-72)
Absolute CD45RO	339 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

**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: 22-028-137570  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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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.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
% CD3	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD3	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% CD4	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD4	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% CD8	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD8	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
CD4:CD8 Ratio	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% Natural Killer Cells	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute Natural Killer Cells	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% CD19	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD19	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% CD45RA	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD45RA	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
% CD45RO	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Absolute CD45RO	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM
Lymphocyte Subset Panel 6 Information	22-028-137570	1/28/2022 2:38:00 PM	1/30/2022 9:48:32 AM	1/30/2022 4:11:00 PM

END OF CHART

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

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