

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 1/16/2024  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

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

ARUP test code 0095862

% CD3	77 %	(Ref Interval: 55-90)
Absolute CD3	6637 cells/uL	(Ref Interval: 1900-8400)
% CD4	57 %	(Ref Interval: 39-69)
Absolute CD4	4947 cells/uL	(Ref Interval: 1500-6000)
% CD8	16 %	(Ref Interval: 7-35)
Absolute CD8	1421 cells/uL	(Ref Interval: 300-2700)
CD4:CD8 Ratio	3.56 ratio	(Ref Interval: 1.30-6.30)
% Natural Killer Cells	5 %	(Ref Interval: 3-23)
Absolute Natural Killer Cells	396 cells/uL	(Ref Interval: 140-1900)
% CD19	16 %	(Ref Interval: 3-60)
Absolute CD19	1414 cells/uL	(Ref Interval: 180-3500)
% CD45RA	96 %	(Ref Interval: 63-100)

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

Unless otherwise indicated, testing performed at:

Absolute CD45RA	5103 cells/uL	(Ref Interval: 1100-5200)
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% CD45RO	4 %	(Ref Interval: 2-36)
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Absolute CD45RO	206 cells/uL	(Ref Interval: 110-1200)
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**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.

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.

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
% CD3	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD3	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD4	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD4	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD8	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD8	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
CD4:CD8 Ratio	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% Natural Killer Cells	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute Natural Killer Cells	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD19	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD19	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD45RA	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD45RA	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD45RO	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Absolute CD45RO	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lymphocyte Subset Panel 6 Information	24-032-401261	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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: 24-032-401261  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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