

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 6/22/2013  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Alpha/Beta Double-Negative T-Cells for Autoimmune Lymphoproliferative Syndrome**

ARUP test code 2014513

|                                    |             |                         |
|------------------------------------|-------------|-------------------------|
| Absolute alpha/beta TCR+ DNT       | 26 cells/uL | (Ref Interval: 0-46)    |
| Absolute alpha/beta TCR+ DNT B220+ | 3 cells/uL  | (Ref Interval: 0-5)     |
| % alpha/beta TCR+ DNT              | 1 %         | (Ref Interval: 0-3)     |
| % alpha/beta TCR+ DNT B220+        | 0.1 %       | (Ref Interval: 0.0-0.3) |

**INTERPRETIVE INFORMATION: Alpha Beta Double-Negative Tcells ALPS**  
Reported percentages reflect percentage of CD3 positive lymphocytes. The hallmark for a diagnosis of Autoimmune Lymphoproliferative Syndrome (ALPS) is an increased concentration of CD3+ T-cells negative for CD4 and CD8 (double-negative T-cells [DNT]) and positive for the alpha/beta T-cell receptor (TCR). B220 expression on alpha/beta TCR+DNT cells is a sensitive and specific marker for ALPS and is associated with mutations in the FAS gene.

Abnormal results should be correlated with clinical history and confirmed by additional testing for defective in vitro lymphocyte apoptosis and for mutations in the FAS gene.

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 |
| Absolute alpha/beta TCR+ DNT       | 23-140-401430 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Absolute alpha/beta TCR+ DNT B220+ | 23-140-401430 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| % alpha/beta TCR+ DNT              | 23-140-401430 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| % alpha/beta TCR+ DNT B220+        | 23-140-401430 | 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: 23-140-401430  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 5/25/2023 10:25:01 AM  
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