

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 8/16/1962
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Natural Killer Cell and Natural Killer T-Cell Panel

ARUP test code 2013805

| | | | |
|--|----------------------|----------|---------------------------|
| Pct CD3-CD16-/+CD56br/dim(total NKcells) | 32.6 % | H | (Ref Interval: 5.0-32.5) |
| Abs CD3-CD16-/+CD56br/dim(total NKcells) | 594 cells/uL | H | (Ref Interval: 91-593) |
| Pct CD3-CD16+CD56dim(cytotoxic NK-cells) | 94.6 % | H | (Ref Interval: 47.0-94.5) |
| Abs CD3-CD16+CD56dim(cytotoxic NK-cells) | 483 cells/uL | H | (Ref Interval: 51-482) |
| Pct CD3-CD16-CD56br (cyto secreting NK) | 6.4 % | H | (Ref Interval: 0.7-6.3) |
| Abs CD3-CD16-CD56br (cyto secreting NK) | 17 cells/uL | H | (Ref Interval: 2-16) |
| Pct CD3+CD56+ (CD56 NKT-cells) | 14.5 % | H | (Ref Interval: 0.9-14.4) |
| Abs CD3+CD56+ (CD56 NKT-cells) | 350 cells/uL | H | (Ref Interval: 20-349) |
| Pct CD45+CD3+ (T-cells) | 87.0 % | H | (Ref Interval: 59.0-86.9) |
| Abs CD45+CD3+ (T-cells) | 2635 cells/uL | H | (Ref Interval: 654-2634) |
| Pct CD45+CD3- (Non T-cells) | 43.7 % | H | (Ref Interval: 15.7-43.6) |

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: 20-230-118531
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Abs CD45+CD3- (Non T-cells)

898 cells/uL H

(Ref Interval: 196-897)

Natural Killer T-cell Panel Interp

See Note

Interpretive Information: Natural Killer Cell and Natural Killer T-Cell Panel

Natural killer (NK) cells are identified by the absence of CD3 and the expression of CD16 and/or CD56. NK cells are divided according to the expression of CD16 and CD56 into cytotoxic NK cells (CD3-CD16+CD56dim) that represents approximately 90 percent of NK cells, and cytokine-secreting or regulatory NK cells (CD3-CD16-CD56bright) that represents approximately 10 percent of NK cells. NK cells act against virally-infected cells and tumor cells and may be increased or decreased in various immunologic abnormalities. NK cells also have a role in the adaptive immune response through cytokine production. NK-like T-cells have properties of both T-cells and NK-cells, expressing both CD3 and NK-associated antigens.

The cytotoxic NK cells (CD3-CD16+CD56dim) and cytokine-secreting or regulatory NK cells (CD3-CD16-CD56bright) are reported as a percentage of the total NK cells. All other populations are reported as a percentage of the total lymphocytes.

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

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VERIFIED/REPORTED DATES

| Procedure | Accession | Collected | Received | Verified/Reported |
|--|---------------|----------------------|----------------------|----------------------|
| Pet CD3-CD16-/+CD56br/dim(total NKcells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD3-CD16-/+CD56br/dim(total NKcells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Pet CD3-CD16+CD56dim(cytotoxic NK-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD3-CD16+CD56dim(cytotoxic NK-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Pet CD3-CD16-CD56br (cyto secreting NK) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD3-CD16-CD56br (cyto secreting NK) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Pet CD3+CD56+ (CD56 NKT-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD3+CD56+ (CD56 NKT-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Pet CD45+CD3+ (T-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD45+CD3+ (T-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Pet CD45+CD3- (Non T-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Abs CD45+CD3- (Non T-cells) | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |
| Natural Killer T-cell Interp | 20-230-118531 | 8/17/2020 2:32:00 PM | 8/17/2020 2:33:55 PM | 8/17/2020 2:48:00 PM |

END OF CHART

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