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

Physician: Doctor, Example

Patient: Patient, Example

DOB	3/25/2008
Sex:	Female
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Natural Killer Cell and Natural Killer T-Cell Panel

ARUP test code 2013805

Pct CD3-CD16-/+CD56br/dim(total NKcells)	0.4 %	L	(Ref Interval: 5.0-32.5)
Abs CD3-CD16-/+CD56br/dim(total NKcells)	0 cells/uL	L	(Ref Interval: 91-593)
Pct CD3-CD16+CD56dim(cytotoxic NK-cells)	7.7 %	L	(Ref Interval: 47.0-94.5)
Abs CD3-CD16+CD56dim(cytotoxic NK-cells)	0 cells/uL	L	(Ref Interval: 51-482)
Pct CD3-CD16-CD56br (cyto secreting NK)	30.8 %	H	(Ref Interval: 0.7-6.3)
Abs CD3-CD16-CD56br (cyto secreting NK)	0 cells/uL	L	(Ref Interval: 2-16)
Pct CD3+CD56+ (CD56 NKT-cells)	22.3 %	H	(Ref Interval: 0.9-14.4)
Abs CD3+CD56+ (CD56 NKT-cells)	16 cells/uL	L	(Ref Interval: 20-349)
Pct CD45+CD3+ (T-cells)	98.7 %	H	(Ref Interval: 59.0-86.9)
Abs CD45+CD3+ (T-cells)	69 cells/uL	L	(Ref Interval: 654-2634)
Pct CD45+CD3- (Non T-cells)	1.3 %	L	(Ref Interval: 15.7-43.6)
Abs CD45+CD3- (Non T-cells)	1 cells/uL	L	(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

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

reported as a percentage of the total lymphocytes.

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
Pct CD3-CD16-/+CD56br/dim(total NKcells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD3-CD16-/+CD56br/dim(total NKcells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pct CD3-CD16+CD56dim(cytotoxic NK-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD3-CD16+CD56dim(cytotoxic NK-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pct CD3-CD16-CD56br (cyto secreting NK)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD3-CD16-CD56br (cyto secreting NK)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pct CD3+CD56+ (CD56 NKT-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD3+CD56+ (CD56 NKT-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pct CD45+CD3+ (T-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD45+CD3+ (T-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pct CD45+CD3- (Non T-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Abs CD45+CD3- (Non T-cells)	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Natural Killer T-cell Panel Interp	25-339-119060	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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