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Patient Study ID: CJ060771
Study Protocol Code: PAMG
Client: PHYSIOAGE MEDICAL GROUP
Physician: RAFFAELE, JOSEPH
Report Date: 03/05/2018

IMMUNOGENETICS CENTER REPORT

Basic TBNK Panel
CD8 Senescence Panel

SPECIMEN				
Lab ID	Specimen Type	Date Collected	Date Received	Date Tested
IAC000298	EDTA	02/26/2018	02/27/2018	02/27/2018

Live Gated Population	Population	Test Result		Reference Ranges	
		Percent Present	Absolute Number Present	Percent Present	Absolute Number Present
CD3+	T-Lymphocytes	69	812	49 - 84	603 - 2990
CD4+	T-Helper/Inducer	50	589	28 - 63	441 - 2156
CD8+	T-Suppressor/ Cytotoxic	16	187	10 - 40	125 - 1312
Ratio(CD4:CD8)		3.16		0.96 - 3.93	
CD19+	B-Lymphocytes	18	212	7 - 27	107 - 698
CD56+/CD16+	NK	13	156	4 - 25	95 - 640
CD3+/CD8+/CD28-	CD8+/CD28- in CD3	3	24	1 - 28	11 - 359
CD3+/CD8+/CD95-	CD8+/CD95- in CD3	7	57	3 - 27	33 - 357
CD8+/CD28-	CD8+/CD28- in CD8	12	22	4 - 51	17 - 364
CD8+/CD95-	CD8+/CD95- in CD8	27	50	11 - 57	32 - 347

Reference ranges updated on 8/17/2017

Testing performed by flow cytometry

NT= Not Tested

NSC= Not Sufficient Cells in the gate

This test was developed and performance characteristics determined by the UCLA Immunogenetics Center, Department of Pathology and Laboratory Medicine. It has not been cleared or approved by the US Food and Drug Administration.

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Electronically signed by
 Michelle Hickey, PhD, D(ABHI)

03/05/2018

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Date