



To: Penn Medicine Physicians and Staff

Date: 7/12/2021

From: Malek Kamoun, MD, PhD  
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**Re: Cytokine Assay Testing**

The Immunology Laboratory's assay for Cytokine testing has been discontinued. Cytokine testing will be sent to ARUP laboratories. Please note that the panel and reference ranges are different.

HUP Ref. Ranges		
IFN-GAMMA	0-7	pg/mL
IL-15	0-120	pg/mL
IL-2	0-20	pg/mL
IL2R	95-851	pg/mL
IL-6	0-12	pg/mL
IL-7	0-100	pg/mL
TNF-ALPHA	0-22	pg/mL

ARUP Ref ranges		
IFN-GAMMA	<=4.2	pg/mL
IL-12	<=1.9	pg/mL
IL-2	<=2.1	pg/mL
IL2R	175.3-858.2	pg/mL
IL-6	<=2	pg/mL
IL-4	<=2.2	pg/mL
TNF-ALPHA	<=7.2	pg/mL
IL-5	<=2.1	pg/mL
IL-10	<=2.8	pg/mL
IL-13	<=2.3	pg/mL
IL-1beta	<=6.7	pg/mL
IL-8	<=3.0	pg/mL
IL-17	<=1.4	pg/mL

Note that ARUP does not perform IL-7 or IL-15.

The order code will change to Cytokine 13, Serum

Tube type (SST) will not change.

For clinical questions related to this change, please contact the Immunology Resident at 215-980-9871. For operational questions related to this change, please contact Joyce Gonzalez at [Joyce.Gonzalez@pennmedicine.upenn.edu](mailto:Joyce.Gonzalez@pennmedicine.upenn.edu) or 215-662-6023.