

Overview

Method Name

Quantitative Multiplex Bead Assay

NY State Available

Yes

Specimen

Specimen Type

Serum

Specimen Required

Collection Container/Tube: Serum gel or red top

Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL Serum

Collection Instructions:

1. As soon as possible or within 2 hours of collection, centrifuge and aliquot 1 mL of serum into a plastic vial.
2. Send frozen.

Note: Critical frozen. Separate specimens must be submitted when multiple tests are ordered.

Specimen Minimum Volume

Serum: 0.4 mL

Reject Due To

Heat-inactivated specimens	Reject
Contaminated specimens	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Frozen	365 days	

Clinical & Interpretive

Clinical Information

<https://ltd.aruplab.com/>

Reference Values

Tumor Necrosis Factor-alpha: < or =7.2 pg/mL
Interleukin 2: < or =2.1 pg/mL
Interleukin 2 Receptor Soluble: 175.3-858.2 pg/mL
Interleukin 12: < or =1.9 pg/mL
Interferon gamma: < or =4.2 pg/mL
Interleukin 4: < or =2.2 pg/mL
Interleukin 5: < or =2.1 pg/mL
Interleukin 10: < or =2.8 pg/mL
Interleukin 13: < or =2.3 pg/mL
Interleukin 17: < or =1.4 pg/mL
Interleukin 1 beta: < or =6.7 pg/mL
Interleukin 6: < or =2.0 pg/mL
Interleukin 8: < or =3.0 pg/mL

Interpretation

Results are used to understand the pathophysiology of immune, infectious, or inflammatory disorders, or may be used for research purposes.

Cautions

Cytokine levels may demonstrate diurnal variation. For longitudinal comparison, it is recommended that cytokine levels be determined at the same time of day.

Performance**PDF Report**

No

Day(s) Performed

Monday through Sunday

Report Available

3 to 8 days

Performing Laboratory Location

ARUP Laboratories

Fees & Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

Test Classification

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.

CPT Code Information

83520 x 12

83529

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FCYTP	Cytokine Panel 13, Serum	82335-1

Result ID	Test Result Name	Result LOINC® Value
Z4722	Tumor Necrosis Factor - alpha	3074-2
Z4723	Interleukin 2	33939-0
Z4724	Interleukin 2 Receptor, Soluble	76039-7
Z4725	Interleukin 12	41760-0
Z4726	Interferon gamma	27415-9
Z4727	Interleukin 4	27161-9
Z4728	Interleukin 5	33938-2
Z4729	Interleukin 10	26848-2
Z4730	Interleukin 13	33822-8
Z4731	Interleukin 17	82334-4
Z4732	Interleukin 1 beta	13629-1
Z4733	Interleukin 6	26881-3
Z4734	Interleukin 8	33211-4