

## Overview

**Method Name**

Quantitative Multiplex Bead Assay

**NY State Available**

Yes

## Specimen

**Specimen Type**

CSF

**Specimen Required**

**Container/Tube:** Sterile vial

**Specimen Volume:** 1 mL

**Collection Instructions:**

1. Transfer 1 mL CSF to a sterile plastic container.
2. Send frozen.

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

**Specimen Minimum Volume**

0.4 mL

**Reject Due To**

Thawing:	Cold reject; Warm reject
Contaminated specimens	Reject
Heat-inactivate d specimens.	Reject

**Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
CSF	Frozen	30 days	

## Clinical & Interpretive

### Clinical Information

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

**Reference Values**

Interferon gamma: < or =4.2 pg/mL  
Interleukin 1 beta: < or =6.5 pg/mL  
Interleukin 10: < or =12.7 pg/mL  
Interleukin 12: < or =1.9 pg/mL  
Interleukin 13: < or =7.3 pg/mL  
Interleukin 17: < or =4.6 pg/mL  
Interleukin 2 Receptor, Soluble: < or =26.8 pg/mL  
Interleukin 2: < or =2.1 pg/mL  
Interleukin 4: < or =5.2 pg/mL  
Interleukin 5: < or =2.1 pg/mL  
Interleukin 6: < or =7.5 pg/mL  
Interleukin 8: 4.6-283.5 pg/mL  
Tumor Necrosis Factor-alpha: < or =1.7 pg/mL

**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
FCP13	Cytokine Panel 13, CSF	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z6323	Interferon gamma	99764-3
Z6324	Interleukin 1 beta	99767-6
Z6325	Interleukin 10	49909-5
Z6326	Interleukin 12	99765-0
Z6327	Interleukin 13	70089-8
Z6328	Interleukin 17	99766-8
Z6329	Interleukin 2 Receptor, Soluble	99768-4
Z6330	Interleukin 2	70077-3
Z6331	Interleukin 4	70083-1
Z6332	Interleukin 5	70084-9
Z6333	Interleukin 6	49919-4
Z6334	Interleukin 8	99769-2
Z6335	Tumor Necrosis Factor-alpha	Not Provided