

## Overview

### Method Name

Electrochemiluminescence via sandwich immunoassay

### NY State Available

Yes

## Specimen

### Specimen Type

Serum

### Specimen Required

**Specimen Type:** Serum

**Collection Container/Tube:** Red or SST

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL

#### Collection Instructions:

1. Draw blood in a plain red-top tube(s), serum gel tube(s) is acceptable.
2. Centrifuge and send 1 mL of serum frozen in a plastic vial.

### Specimen Minimum Volume

0.5 mL

### Reject Due To

Hemolysis:	Mild OK; Gross Reject
Thawing:	Warm Reject; Cold Reject
Lipemia:	Mild OK; Gross Reject
Icterus:	Mild OK; Gross Reject

### Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Frozen	14 days	

## Clinical & Interpretive

### Clinical Information

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Cytokines have emerged as molecules of importance in the regulation of many immunologic processes in the cell. The ability to accurately measure quantitative and qualitative differences in cytokine production is becoming increasingly important to the understanding of normal and pathological processes.

**Reference Values**

<1.4 pg/mL

**Clinical Reference**

Chunk KF Cytokines: An overview in New Drugs for Asthma, Allergy and COPD, Prog Respir Res. 2001, vol31: 242 – 246.

MSD 96-Well MULTI-ARRAY and MULTI-SPOT Human Cytokine Assays: Ultra Sensitive Kit package insert. Meso Scale Discovery

Biennu JA et al. Cytokine assay in human sera and tissues. Toxicology 1998; 129: 55 – 61.

Debad, J.D., Glezer, E.N., Wohlstadfer, J.N., Sigal, G.B. (2004) Clinical and Biological Application of ECL. In Electrogenerated Chemiluminescence, ed. A.J. Bard. Marcel Dekker, New York, pp. 43 – 78.

**Performance****PDF Report**

No

**Day(s) Performed**

Monday, Wednesday, Friday

**Report Available**

5 to 11 days

**Performing Laboratory Location**

Eurofins Viracor

**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 Viracor Eurofins. It has not been cleared or](#)

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[approved by the U.S. Food and Drug Administration.](#)

**CPT Code Information**

83520

**LOINC® Information**

Test ID	Test Order Name	Order LOINC® Value
FNFAS	TNF-a (serum)	3074-2

Result ID	Test Result Name	Result LOINC® Value
FNFAS	TNF-a (serum)	3074-2