

**Test Definition: FCUIX** 

**CU Index** 

### Overview

#### **Method Name**

Ex Vivo Challenge, Cell Culture and Histamine Analysis

#### **NY State Available**

Yes

# **Specimen**

# **Specimen Type**

Serum

## **Specimen Required**

**Patient Preparation:** Patients taking calcineurin inhibitors should stop medication 72 hours prior to draw. Patients taking prednisone should be off their medication for 2 weeks prior to draw.

Specimen Type: Serum

**Collection Container/Tube:** Red or SST **Submission Container/Tube:** Plastic vial

**Specimen Volume:** 2 mL **Collection Instructions:** 

- 1. Draw 5 mL blood in a serum separator tube (SST) (plain, red-top tube is acceptable).
- 2. Separate from cells within 2 hours of draw. Send 2 mL of serum ambient in a plastic vial.

# **Specimen Minimum Volume**

0.5 mL

### **Reject Due To**

Hemolysis:	NA NA
Thawing:	Warm OK; Cold OK
Lipemia:	NA
Icterus:	NA NA
Other:	NA

### **Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Serum	Ambient (preferred)	14 days	
	Refrigerated	14 days	
	Frozen	14 days	



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### Clinical & Interpretive

#### **Clinical Information**

Patients with a chronic form of urticaria who are positive (>10) with the CU index have an autoimmune basis for their disease. A positive result does not indicate which autoantibody (anti-IgE, anti-FceRI or anti-FCERII) is present.

#### **Reference Values**

< 10.0

The CU Index test is the second generation Functional Anti-FceR test. Patient with a CU Index greater than or equal to 10 have basophil reactive factors in their serum which supports an autoimmune basis for disease.

#### **Performance**

### **Method Description**

Ex-Vivo Challenge and cell culture: Donor blood cells are incubated with patient serum, a negative control and a positive control. Following the ex-vivo challenge, the cells are centrifuged and the supernatant is recovered for assay of histamine released. Histamine Analysis: Using a quantitative enzyme immunoassay, the histamine released into the supernatant is measured and compared to the total histamine in the basophils.

#### **PDF Report**

No

#### Day(s) Performed

Monday and Thursday

## Report Available

2 to 9 days

#### **Performing Laboratory Location**

**Eurofins Viracor** 

### **Fees & Codes**

# Fees

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



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### **Test Classification**

This test was developed and its performance characteristics determined by Viracor Eurofins. It has not been cleared or approved by the U.S. Food and Drug Administration.

# **CPT Code Information**

86343

### **LOINC®** Information

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FCUIX	CU Index	63369-3
Test ID	Test Order Name	Order LOINC® Value