

## Interleukin 5, Plasma

**Test ID:** IL5P

### **Explanation:**

This test will become obsolete on the effective date due to limited clinical utility individually and a change in testing platform. The recommended alternative is noted below.

### **Recommended Alternative Test:**

## **T-Helper Cell Type 2 Cytokine Panel, Plasma**

**Test ID:** CYTH2

### **Useful for:**

Assessment of plasma cytokine levels to understand the etiology of allergic conditions and parasitic infections when used in conjunction with clinical information and other laboratory testing

### **Methods:**

Bead-Based Multiplex Immunoassay

### **Reference Values:**

IL-4:

<18 years: Not established

> or =18 years: <100 pg/mL

IL-5:

<18 years: Not established

> or =18 years: <20.0 pg/mL

IL-10:

<18 years: Not established

> or =18 years: <7.0 pg/mL

IL-13:

<18 years: Not established

> or =18 years: <700 pg/mL

## Specimen Requirements:

|                                   |  |
|-----------------------------------|--|
| <b>Supplies:</b>                  | Sarstedt Aliquot Tube, 5 mL (T914)   |
| <b>Collection Container/Tube:</b> | Lavender top (EDTA)  |
| <b>Submission Container/Tube:</b> | Plastic vial   |
| <b>Specimen Volume:</b>           | 0.5 mL   |
| <b>Collection Instructions:</b>   | <ol style="list-style-type: none"><li>1. Immediately after specimen collection, place the tube on wet ice.</li><li>2. Within 2 hours of collection, centrifuge at 4 degrees C, 1500 x <i>g</i> for 10 minutes and aliquot plasma into a plastic vial.</li><li>3. Freeze immediately.</li></ol> |
| <b>Additional Information:</b>    | <ol style="list-style-type: none"><li>1. <b>Plasma for this test cannot be shared with other tests.</b> Submit specimen for this test in its own vial.</li><li>2. <b>This test cannot be added onto a previously collected specimen.</b></li></ol>   |
| <b>Minimum Volume:</b>            | 0.3 mL   |

## Specimen Stability Information:

| Specimen Type | Temperature | Time    |
|---------------|-------------|---------|
| Plasma EDTA   | Frozen      | 21 days |

## Cautions:

Results from cytokine testing should not be used to establish or exclude a specific diagnosis.

Cytokine testing should only be used in conjunction with clinical information and other laboratory testing as part of a patient's overall assessment.

Normal concentrations of cytokines do not exclude the possibility of parasitic infection or allergic condition.

Cytokine concentrations could be affected by immunomodulatory agents.

## CPT Code:

83520 x 4

**Day(s) Performed:** Wednesday

**Report Available:** 2 to 8 days

## Questions

Contact Amy Ennis, Laboratory Resource Coordinator at 800-533-1710.