

## T-Helper Cell Type 1 Cytokine Panel, Plasma

**Test ID:** CYTH1

### Useful for:

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

### Methods:

Bead-Based Multiplex Immunoassay

### Reference Values:

TNF: <10.0 pg/mL

IFN-gamma: <60.0 pg/mL

IL-2: <60.0 pg/mL

IL-2 receptor alpha soluble: < or =959 pg/mL

IL-12p70: <200 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 g for 10 minutes and aliquot plasma into a plastic vial</li><li>3. Freeze immediately.</li></ol>
<b>Minimum Volume:</b>	0.3 mL
<b>Additional Information:</b>	<ol style="list-style-type: none"><li>1. Plasma for this test cannot be shared with other tests. Submit specimen for this test in its own vial.</li><li>2. This test cannot be added on to a previously collected specimen.</li></ol>

### 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 infection or other inflammatory condition.

Cytokine concentrations could be affected by immunomodulatory agents.

**CPT Code:**

83520 x 5

**Day(s) Performed:** Thursday

**Report Available:** 2 to 8 days

**Questions**

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