

Interleukin-2 Receptor Alpha soluble, Plasma

Test ID: SIL2R

Useful for:

Measuring the concentration of soluble interleukin-2 receptor alpha (sIL-2r alpha) in plasma

Aids in the diagnosis and evaluation of patients for lymphoproliferative disorders, including autoimmune lymphoproliferative syndrome, hemophagocytic lymphohistiocytosis, and macrophage activation syndrome

May help monitor patients with sarcoidosis or hematologic malignancies with elevated sIL-2r alpha

Methods:

Bead-Based Multiplex Immunoassay

Reference Values:

<18 years: Not established

> or =18 years: <959 pg/mL

Specimen Requirements:

Supplies:	Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube:	Lavender-top (EDTA)
Submission Container/Tube:	Plastic vial
Specimen Volume:	0.5 mL
Collection Instructions:	<ol style="list-style-type: none">1. Immediately after specimen collection, place tube on wet ice.2. Centrifuge at 4 degrees C, 1500 x g for 10 minutes.3. Aliquot plasma into plastic vial.4. Freeze specimen within 2 hours of collection.
Additional Information:	If a refrigerated centrifuge is not available, it is acceptable to use a room temperature centrifuge, provided the sample is kept on ice before centrifugation and is frozen immediately afterward.
Minimum Volume:	0.3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Frozen	21 days

Cautions:

Soluble interleukin-2 receptor alpha (sIL-2r alpha) testing should only be used in conjunction with clinical presentation and other laboratory testing as part of a patient's overall assessment. Elevations in sIL-2r alpha can be seen in several inflammatory, malignancy, or infectious conditions involving activation of T-cells, B-cells, granulocytes or natural killer cells. Non-elevated concentration of sIL-2r alpha does not exclude the possibility of infection or other inflammatory condition.

There is substantial overlap in elevated sIL-2r alpha in patients with other chronic inflammatory conditions or infections

Soluble interleukin-2 receptor alpha is marker for lymphocyte activation and proliferation; a comprehensive cytokine evaluation, such as CYPAN / Cytokine Panel, Plasma may be more useful in overall disease assessment or pathophysiology.

CPT Code:

83520

Day(s) Performed: Thursday**Report Available:** 2 to 8 days**Note:**

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Interleukin 2 Receptor, Soluble	FIL2S	0051529	ARUP Laboratories

Questions

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