
Lab Dept: Chemistry

Test Name: SOLUBLE IL-2 RECEPTOR ALPHA

General Information

Lab Order Codes: IL2RA

Synonyms: Interleukin-2 Receptor α , Soluble

CPT Codes: 83520 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen, qualitative or semiquantitative, not otherwise specified

Test Includes: Soluble IL-2R level reported in U/mL.

Logistics

Test Indications: The function of IL-2 sR α is unclear. Increased levels of IL-2 sR α in biological fluids correlate with increased T & B activation and immune system activation. Results of a number of studies suggest a correlation between levels of IL-2 sR α in serum with the onset of rejection episodes in allograft recipients.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Cincinnati Children's Hospital

Phone Numbers: MIN Lab: 812-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 – 9 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Lavender top (EDTA) tube

Draw Volume: 3 mL (Minimum: 1 mL) EDTA blood

Processed Volume: Same as Draw Volume

Collection: Routine venipuncture

Special Processing: Lab Staff: Send EDTA whole blood, clearly labeled and initialed by the phlebotomist, by overnight courier, at room temperature to arrive Monday through Friday. Specimens must be processed within 24 hours of collection.

***If you absolutely must collect a sample on a weekend and can not ship the sample within 24 hours:

Specimens must be spun, and a plasma aliquot frozen.
Frozen specimens must be shipped on dry ice.

Please contact Cincinnati Children's by phone (1-513-636-4769) with tracking number on day of shipment.

Patient Preparation: None

Sample Rejection: Specimens other than whole blood; frozen specimens; anticoagulants other than EDTA; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Age:	Range (U/mL):
	<2 years:	334 – 3026 U/mL
	2 – 7 years:	<2126 U/mL
	>7 years:	45 – 1105 U/mL

Critical Values: N/A

Limitations: N/A

Methodology: IMMULITE 1000 sIL2R, solid –phase, two-site chemiluminescent immunometric assay

References: [Cincinnati Children's Web Page](#) April 2011

Update: 4/21/2011: Method change, units and reference range change.