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**Lab Dept:** Chemistry

**Test Name:** INTERLEUKIN-2 RECEPTOR

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***General Information***

**Lab Order Codes:** IL2R

**Synonyms:** IL 2 Receptor, Soluble (CD25)

**CPT Codes:** 83520 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen; quantitative, not otherwise specified

**Test Includes:** Interleukin-2 Receptor level reported in pg/mL.

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***Logistics***

**Test Indications:** Clinical conditions in which elevated soluble IL-2R levels are detected include AIDS, autoimmune disease, sarcoidosis, and a variety of leukemias and lymphomas. In HIV positive individuals, IL-2R is elevated during the asymptomatic phase as well as during persistent generalized lymphadenopathy and symptomatic phases. IL-2R detection may be useful in measuring T cell activation and monitoring HIV pathogenesis. Elevated IL-2R levels have clinical and prognostic significance in patients with malignant lymphoma, non-Hodgkin's lymphoma, B cell and undifferentiated lymphomas.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories forward to ARUP (MML Test: FIL2S), (ARUP Test: 0051529)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 - 4 days; set-up Monday, Wednesday and Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

<b>Container:</b>	SST (Gold, marble or red) Alternate: Green top (Lithium Heparin) tube
<b>Draw Volume:</b>	3 mL (Minimum: 1 mL) blood
<b>Processed Volume:</b>	1 mL (Minimum: 0.3 mL) serum/plasma
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen and separate serum/plasma within 2 hours of collection; aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; refrigerated specimens; contaminated or heat-inactivated specimens

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### ***Interpretive***

<b>Reference Range:</b>	< or =1032 pg/mL
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Results are to be used for research purposes or in attempts to understand the pathophysiology of immune, infectious or inflammatory conditions.
<b>Methodology:</b>	Quantitative Multiplex Bead Assay
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> September 2017  <a href="#">ARUP Laboratories</a> September 2017
<b>Updates:</b>	3/18/2004: Test moved from Specialty Laboratories to Mayo Medical Laboratories forward to Focus Technologies. Note changes in CPT code, Methodology, and reference range. 9/16/2008: CPT update, previously reported at 83520 12/16/2013: MML now forwards to ARUP. Note change in CPT (previously 84238), method and reference ranges. 2/19/2014: Ref range update, previously listed as 0-1033 pg/mL. 9/18/2017: Update tube types.