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**Lab Dept:** Chemistry

**Test Name:** SIROLIMUS LEVEL (U M TRANSPLANT PATIENTS ONLY)

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***General Information***

**Lab Order Codes:** SIRM

**Synonyms:** Rapamune, Rapamycin

**CPT Codes:** 80195 – Sirolimus (Test performed at no charge for transplant patients)

**Test Includes:** Sirolimus level reported in ug/L.

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***Logistics***

**Test Indications:** Used for therapeutic drug monitoring and to assess toxicity.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Fairview Diagnostic Laboratories (Fairview Test: RAPA)

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** Performed daily; results are reported the same day.

**Special Instructions:** Usual sampling time is immediately prior to next dose, but no sooner than 2 hours before.

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***Specimen***

**Specimen Type:** Whole blood

**Container:** Lavendar (EDTA) top tube

**Draw Volume:** 2 mL (Minimum: 0.4 mL) blood

**Processed Volume:** Same as Draw Volume

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Do Not centrifuge. Send specimen in original collection container. Store in refrigerator and ship at room temperature. Send Out staff should order test on manual requisition. Do not order in Atlas. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Wrong specimen type; mislabeled or unlabeled specimen

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***Interpretive***

**Reference Range:**

Default Therapeutic Reference Range: 5.0 – 15.0 ug/L	
<b>Kidney Transplant</b>	<b>Range (ug/L)</b>
Adult	
6 – 12 months post transplant:	8 – 10
>12 months post transplant:	5 – 8
>5 years post transplant:	4 – 6
<b>Heart Transplant</b>	4 – 10 ug/L
<b>Lung Transplant</b>	5 – 15 ug/L
<b>Hematopoietic Stem Cell TX</b>	3 – 12 ug/L
<b>Pediatric BMT</b>	3 – 12 ug/L
<b>Critical Values:</b>	>20 ug/L

**Limitations:** N/A

**Methodology:** Liquid chromatography/tandem mass spectrometry

**References:** [Fairview University Diagnostic Laboratories](#) (November 2012)

**Updates:** 11/12/2012: Updated reference ranges.