
Lab Dept: Chemistry

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

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.

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.

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

Interpretive

Reference Range:

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