Lab Dept:	**Chemistry**
Test Name:	**TACROLIMUS (FK506) LEVEL (MAYO TRANSPLANT PATIENTS)**

General Information

Lab Order Codes:	TACR
Synonyms:	FK506; Prograf®
CPT Codes:	80197 - Tacrolimus
Test Includes:	Tacrolimus concentration reported in ng/mL.

Logistics

Test Indications:	Useful for guiding dosage adjustments to achieve optimal immunosuppression while minimizing dose-dependant toxicity.
Lab Testing Sections:	Chemistry - Sendouts
Referred to:	Mayo Medical Laboratories (Test: TAKRO)
Phone Numbers:	MIN Lab: 612-813-6280
	STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 - 2 days, test performed daily
Special Instructions:	Usual sampling time is prior to next dose for trough levels.

Specimen

Specimen Type:	Whole Blood
Container:	Lavender top (EDTA) tube
Draw Volume:	3 mL (Minimum: 1 mL) blood
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture

Special Processing:	Lab Staff: **Do Not** centrifuge. Specimen should remain as whole blood in original collection container. Store in refrigerator. Ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	5.0 – 15.0 ng/mL
Critical Values:	N/A
Limitations:	The recommended therapeutic range applies to trough specimens drawn just before the next dose. Blood collected at other times will yield higher results.
Methodology:	High Performance Liquid Chromatography/Tandem Mass Spectrophotometry (HPLC-MS/MS)
References:	Mayo Medical Laboratory Web Page (July 2013)
Updates:	8/11/2004: Effective 8/4/2004, this test was moved from Fairview Diagnostic Laboratories to Mayo Medical Laboratories. Note: Change in Draw Volume (previously 2.0 mL), Change in Reference Range (previously 10-20 ug/L), Change in Critical Range (previously >40 ug/L) and Change in method (previously MEIA).