Lab Dept:	Chemistry	
Test Name:	TACROLIMUS (FK506) LEVEL (FAIRVIEW UM TRANSPLANT PATIENTS)	
General Information		
Lab Order Codes:	TACU	
Synonyms:	FK506; Prograf®	
CPT Codes:	80197 – Tacrolimus	
Test Includes:	Tacrolimus level reported in ug/L.	
Logistics		
Test Indications:	Useful for guiding dosage adjustments to achieve optimal immunosuppression while minimizing dose-dependant toxicity.	
Lab Testing Sections:	Chemistry - Sendouts	
Referred to:	Fairview University Labs (Fairview Code: TACR)	
Phone Numbers:	MIN: 612-813-6280	
	STP: 651-220-6550	
Test Availability:	Daily, 24 hours	
Turnaround Time:	1 - 2 days, test performed daily; results are reported the same day	
Special Instructions:	Usual sampling time is prior to next dose.	
Specimen		
Specimen Type:	Whole blood	
Container:	Lavender top (EDTA) tube	
Draw Volume:	2 mL (Minimum: 0.4 mL) blood	
Processed Volume:	Same as Draw Volume	
Collection:	Routine venipuncture	

Special Processing:	Lab Staff: <b>Do Not</b> centrifuge. Specimen should remain as whole blood in original collection container. Store in refrigerator. Do Not order test in Atlas. Ship at room temperature. Forward promptly.		
Patient Preparation:	None		
Sample Rejection:	Mislabeled or unlabeled specimens		
Interpretive			
Reference Range:	Therapeutic range based on draw immediately prior to next dose. Default Therapeutic Reference Range: 5.0 – 15.0 ug/L		
	Kidney Transplant	Range (ug/L)	
	Pediatric		
	0 – 3 months post transplant	10 - 12	
	3 – 6 months post transplant	8 – 10	
	6 – 12 months post transplant	6 – 8	
	>12 months post transplant	4 – 7	
	Adult		
	0 – 6 months post transplant	8 – 10	
	6 – 12 months post transplant	6 – 8	
	>12 months post transplant	4 - 6	
	>5 years post transplant	3 – 5	
	Heart Transplant	Range (ug/L)	
	Pediatric		
	0 – 12 months post transplant	10 – 15	
	>12 months post transplant	5 – 10	
	Adult		
	0 – 3 months post transplant	10 – 15	

	3 – 6 months post transplant	8 – 12	
	6 – 12 months post transplant	6 – 12	
	>12 months post transplant	6 – 10	
	Lung Transplant	Range (ug/L)	
	0 – 12 months post transplant	10 – 15	
	>12 months post transplant	8 – 12	
	Liver Transplant	Range (ug/L)	
	Pediatric		
	0 – 3 months post transplant	10 – 12	
	3 – 6 months post transplant	8 – 10	
	>6 months post transplant	6 – 8	
	Adult	1	
	0 – 3 months post transplant	10 – 12	
	3 – 6 months post transplant	8 – 10	
	>6 months post transplant	6 – 8	
	Pancreas Transplant	Range (ug/L)	
	0 – 6 months post transplant	8 – 10	
	>6 months post transplant	5 – 8	
Critical Values:	>20 ug/L	0 0	
	20 0g/L		
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:	Liquid Chromatography/Tandem Mass Spectrophotometry (HPLC- MS/MS)		
References:	Fairview-University Web Page November 2012		

Updates:

7/3/2009: Reference range change, previously reported as 10-20 ug/L. Critical value change, previously reported as >40 ug/L 11/12/2012: Reference range update. 12/17/2018: Name update.