
Lab Dept: Chemistry

Test Name: TACROLIMUS (FK506) LEVEL

General Information

Lab Order Codes: TACL

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 – Performed on Minneapolis campus

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 8 – 24 hours
Note: Cut-off times for same day testing are 8:15 am and 12:15 pm

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: 3.0 – 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: Chemiluminescent Microparticle Immunoassay (CMIA)

References: Abbott Architect Package Insert, Abbott Labs (September 2015)

Updates: 12/18/2018: Transitioned to in-house test.