



Marshfield Labs™

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Laboratory News

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NEW TESTS FOR TACROLIMUS AND CYCLOSPORINE BY LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY

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Effective May 16th, 2016, Marshfield Labs will offer two new tests for the immunosuppressant drugs tacrolimus and cyclosporine. The tests will use liquid chromatography/tandem mass spectrometry methodology. Tacrolimus and cyclosporine are drugs that inhibit the body's immune response and are typically administered to prevent the rejection of transplanted organs.

TEST INFORMATION


Lab Test Code	Description	CPT Code	Therapeutic Range*	Toxic Level
CYCLO	Cyclosporine	80158	100 - 400 ng/mL	> 700 ng/mL
TACRO	Tacrolimus	80197	5 - 15 ng/mL	> 25 ng/mL

*The optimal therapeutic range for a given patient may differ from the general therapeutic range given above based on type of organ transplant, treatment phase, use in combination with other drugs, time of specimen collection relative to prior dose, and the therapeutic approach of the provider.

CONTACTS

- Clinical questions: Joyce Flanagan; Technical questions: Jennifer Winterhack.
- Phone number: 800-222-5835.

SPECIMEN REQUIREMENTS

- Specimen Type:** Whole blood only (EDTA or K₂EDTA)
- Minimum Volume:** 1 mL
- Storage/Transport:** Refrigerated
- Stability:** Room temperature: 24 hours; Refrigerated (4°C): 7 days; Frozen: 30 days.
- Rejection Criteria:** Serum or plasma; Clotted specimens; Specimens left at room temp >24 hours.
- Available:** Mon-Fri once daily; Sample must be in lab by 1:00 PM, result reported by 5:00 PM.
- Analytical Time:** 1 day 



BEYOND numbers