**To:** Dartmouth Health System Providers

**From:** K. Aaron Geno, PhD, DABCC, Assistant Director of Clinical Chemistry

Sarah E. Labore, MLS (ASCP)CM, Chemistry and Night Shift Supervisor

**Date:** December 9, 2024

**RE:** Tests Down – Cyclosporine A, Everolimus, Sirolimus

**Situation**

Cyclosporine A, everolimus, and sirolimus testing is out of service pending a part replacement. **Tacrolimus testing is not affected.**

**Background**

A part on the mass spectrometer that performs this testing was repaired the week of November 25, and patient testing resumed on December 2 following successful performance checks of the instrument. However, analytical performance deteriorated suddenly on December 5, and patient testing was halted.

**Assessment**

Our service engineer confirmed failure of the repaired part remotely and has ordered a replacement. Testing for cyclosporine A, everolimus, and sirolimus on all pending and new specimens will be sent to Mayo Clinic Labs for testing until the part is replaced. Tacrolimus testing is performed by immunoassay and is not affected.

**Recommendation**

Providers should expect longer turnaround times than usual (~48-72 h) for cyclosporine A, everolimus, and sirolimus. Turnaround times for tacrolimus are not affected.

Results from Mayo Clinic Labs will appear beneath the “Others” heading in Results Review as “Misc Mayo Result (May).” Results will appear as “SEE COMMENTS,” with the results available by mouseover or clicking “SEE COMMENTS.”

**For questions or additional information, please contact:**

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