ProMedica Laboratories

News Alert

Platelet Electron Microscopy

Notification Date: Sept. 17, 2026
Effective Date: October 1, 2026

All Platelet Electron Microscopy testing will be referred to Mayo Clinic Laboratories on the effective date.

This change will provide:

- Standardized testing methodology
- Consistent turnaround times
- Daily shipments Monday through Wednesday
- Interfaced results within Epic
- Reduced specimen volume requirements
- Lowered retesting due to different reference ranges

Test Information

- **Test Name:** Platelet Transmission Electron Microscopic Study, Whole Blood
- **Epic Order Code:** LAB1900
- **Mayo Test ID:** PTEM - Platelet Transmission Electron Microscopic Study, Whole Blood

Specimen Requirements

- **Specimen Type:** Whole Blood
- **Container:** Yellow ACD tube
- **Volume:** 6 mL preferred (minimum 3 mL)

Collection Instructions

- Specimens should be collected **Monday through Wednesday only**. Fasting Specimen is preferred.

Turnaround Time - 11 days

Reference Value - Mean dense granules/platelet: **≥ 1.2**

References

- The Science of Diagnosing Rare Platelet Disorders: Dong Chen, M.D., Ph.D. https://news.mayocliniclabs.com/2024/10/03/the-science-of-diagnosing-rare-platelet-disorders-dong-chen-m-d-ph-d/
- Evaluation of Platelet Dense Granules by Transmission Electron Microscopy in Healthy Pediatric Donors and Pediatric Patients with Suspected Platelet Disorders https://pubmed.ncbi.nlm.nih.gov/41312564/
- Diagnostic Laboratory Standardization and Validation of Platelet Transmission Electron Microscopy https://pubmed.ncbi.nlm.nih.gov/29863946/
- Reference Range of Platelet Delta Granules in the Pediatric Age Group: An Ultrastructural Study of Platelet Whole Mount Preparations from Healthy Volunteers https://pubmed.ncbi.nlm.nih.gov/26670096/

For questions or additional information, contact

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