
Lab Dept: Anatomic Pathology

Test Name: PLATELET TRANSMISSION ELECTRON MICROSCOPY

General Information

Lab Order Codes: PTEM

Synonyms: Platelet TEM, Plt Transmission EM

CPT Codes: 85390 – Fibrinolysis or coagulopathy screen

Test Includes: Platelet ultra-structural examination by Transmission Electron Microscopy

Logistics

Test Indications: Diagnosing platelet disorders

Lab Testing Section: Anatomic Pathology - Sendouts

Referred to: Mayo Medical Laboratories (MML: PTEM)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Monday – Wednesday, before noon

Turnaround Time: 10 days

Special Instructions: Must include Mayo "Platelet Transmission Electron Microscopy Patient Information Form with specimen to the laboratory.

Special Draw tube required, please contact the laboratory.

Restricted Draw times, see [Test Availability](#)

Specimen

Specimen Type: Whole blood

Container: Yellow top ACD Solution B tube
Alternate tube: Yellow top ACD Solution A

Draw Volume: 6 mL (Minimum: 3 mL) blood

Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do Not process. Submit specimen in its original container. Maintain specimen at room temperature. Ship specimen overnight in an Ambient Mailer-Critical Specimens Only (MML Suply T668) with regular Mayo Courier. Include completed MML Platelet Esoteric Patient Information Form. Send specimens Monday – Wednesday ONLY.
Patient Preparation:	None
Sample Rejection:	Specimen older than 72 hours; mislabeled or unlabeled specimens; frozen specimens; specimens collected in tubes other than ACD Solution B or A

Interpretive

Reference Range:	Interpretive report
Limitations:	Whole blood sample collected in an ACD tube should be stored and transported at room temperature. The sample is stable for 72 hours. Suboptimal transportation may cause falsely low dense granule counts.
Methodology:	Electron microscopic evaluation
References:	Mayo Medical Laboratories September 2015