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

88348 - Electron microscopy, diagnostic

**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:** LIMITED: Collect only on Sunday, Monday, Tuesday or before noon

on Wednesday

Turnaround Time: 10 days

**Special Instructions:** Provider must complete the Mayo "Platelet Transmission Electron

Microscopy Patient Information Form and send with specimen to the laboratory. Fillable form found here or contact laboratory for assistance: MCL - Platelet Esoteric Testing Patient Information - MC1235-209 (mayocliniclabs.com) The field for fax number on the

form will be completed by lab.

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; do not aliquot.

Maintain specimen at room temperature.

Ship specimen overnight in an Ambient Mailer-Critical Specimens

Only (MML Supply T668) with regular Mayo Courier.

Include completed MML Platelet Esoteric Patient Information form.

Send specimens Monday - Wednesday ONLY per Mayo.

**Patient Preparation:** Fasting is preferred but not required.

**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:** Transmission Electron Microscopy

References: PTEM - Overview: Platelet Transmission Electron Microscopic

Study, Whole Blood (mayocliniclabs.com)

Updated December 2022