
Lab Dept: Coagulation

Test Name: PLATELET FUNCTION ASSAY

General Information

Lab Order Codes: PFAS

Synonyms: PFA; Platelet Function Screen

CPT Codes: 85576 x 2 – Platelet; aggregation (in vitro), each agent

Test Includes: Collagen/Epinephrine & Collagen/ADP

Logistics

Test Indications: The test is useful in detecting platelet dysfunction which may be acquired (uremia), inherited (von Willebrand disease) or induced by inhibiting agents (aspirin).

Lab Testing Sections: Coagulation

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours

Special Instructions: N/A

Specimen

Specimen Type: Whole blood

Container: Light Blue top (Buffered Na Citrate 3.2%) tube

Draw Volume: 2.7 mL blood

Processed Volume: Minimum: 2.7 mL whole blood

Collection:

- A clean venipuncture is essential, avoid foaming.
- Entire sample must be collected with single collection, pooling of sample is unacceptable.
- Capillary collection is unacceptable.
- Patient's with a hematocrit level >55% must have a special tube made to adjust for the hematocrit; contact lab for a special tube.
- Mix thoroughly by gentle inversion. Deliver immediately to the laboratory at room temperature via courier or pneumatic tube.
- Do not combine other coagulation tests in the same tube with a PFA.

Off campus collections:

- Must be tested within 4 hours.
- Do not refrigerate.
- Do not centrifuge.

Special Processing:Lab Staff: **Do Not** centrifuge.**Patient Preparation:**

None

Sample Rejection:

Improper tube; clotted specimens; underfilled tube; hemolyzed specimen; patient's hematocrit <30%; centrifuged samples; mislabeled or unlabeled specimens

Interpretive**Reference Range:**

AGE:	RANGE:
<31 days	COL/EPI 64 – 98 seconds
	COL/ADP 50 – 62 seconds
>31 days	COL/EPI 91 – 199 seconds
	COL/ADP 65 – 121 seconds

Critical Values:

N/A

Limitations:

Testing is invalid in patients with an HCT <30%, elevated ESR or platelet count <50,000.

Methodology:

Simulated in vitro platelet adhesion and aggregation

Contraindications:

Patient receiving anti-platelet drugs.

References:

Rand ML, et al (1998) Use of PFA-100 in the Assessment of Primary, Platelet-Related Hemostasis in the Pediatric Setting, Seminars in Thrombosis and Hemostasis 24:6

Updates:

11/5/2007: Changed required volume from 5.4 to 2.7 mL. Removed statement regarding prohibiting pneumatic tube transport.

3/3/2008: Added statement to leave at room temp and transport to lab via courier or pneumatic tube.

7/8/2014: Add additional info for off-campus collections.

9/15/2014: Off campus collect info amended.