

---

**Lab Dept:** Chemistry

**Test Name:** PROCAINAMIDE AND NAPA LEVELS

---

***General Information***

**Lab Order Codes:** PRNP

**Synonyms:** n-acetylprocainamide, Pronestyl®, Procan-Sr®

**CPT Codes:** 80192 – Procainamide; with metabolites (NAPA)

**Test Includes:** Procainamide, n-acetylprocainamide, and procainamide/n-acetylprocainamide combined levels all reported in mcg/mL.

---

***Logistics***

**Test Indications:** Monitoring therapy, assessing compliance, evaluating toxicity. Procainamide is indicated in the treatment of premature ventricular contractions, ventricular tachycardia, atrial defibrillation, and paroxysmal atrial tachycardia.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (Test: PA)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day; test set up daily

**Special Instructions:** N/A

---

***Specimen***

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube

**Draw Volume:** 1.5 mL (Minimum: 0.75 mL) blood

**Processed Volume:** 0.5 mL (Minimum 0.25 mL) serum

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Specimen must be centrifuged within 2 hours of collection. Store and ship at frozen temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Gross hemolysis, mislabeled or unlabeled specimens

---

***Interpretive***

<b>Reference Range:</b>	<b>Test:</b>	<b>Mayo Reference values (mcg/mL):</b>
	Procainamide:	4.0 – 10.0 mcg/mL
	NAPA (n-acetylprocainamide):	12.0 – 18.0 mcg/mL
	Procainamide and NAPA:	Not listed
<b>Critical Values:</b>	Procainamide:	>12.0 mcg/mL
	Procainamide and NAPA:	Not listed
	NAPA (n-acetylprocainamide):	>or= 40.0 mcg/mL
<b>Limitations:</b>	Procainamide:	Not listed
	NAPA:	Not listed

**Methodology:** Homogeneous Enzyme Immunoassay Technique, includes a separate determination for NAPA

**References:** [Mayo Medical Laboratories Web Page](#) October 2019

**Updates:**

- 10/27/2009: Plasma samples are no longer accepted.
- 10/25/2012: Updated reference ranges and critical values at MML.
- 12/23/2014: Medtox is no longer able to provide stat service, testing now referred out of state. MedTox information removed
- 6/26/2015: Ref range update.
- 1/27/2016: CPT update
- 12/14/2017: Collection container update.
- 10/25/2019: Updated method and storage