**Lab Dept:** Chemistry  
**Test Name:** PROCAINAMIDE AND NAPA LEVELS

### General Information

**Lab Order Codes:** PRNP  
**Synonyms:** n-acetylprocainamide, Pronestyl®, Procan-Sr®  
**CPT Codes:**  
- 80190 – Procainamide  
- 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: PROCG)  
**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 refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Gross hemolysis, mislabeled or unlabeled specimens

### Interpretive

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<tr>
<th>Reference Range:</th>
<th>Test:</th>
<th>Mayo Reference values (mcg/mL):</th>
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<tbody>
<tr>
<td></td>
<td>Procainamide:</td>
<td>4.0 – 10.0 mcg/mL</td>
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<tr>
<td></td>
<td>NAPA (n-acetylprocainamide):</td>
<td>12.0 – 18.0 mcg/mL</td>
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<td>Procainamide and NAPA:</td>
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<th>Critical Values:</th>
<th>Test:</th>
<th>Values:</th>
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<tr>
<td></td>
<td>Procainamide:</td>
<td>&gt;12.0 mcg/mL</td>
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<td></td>
<td>Procainamide and NAPA:</td>
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<tr>
<td></td>
<td>NAPA (n-acetylprocainamide):</td>
<td>&gt;= 40.0 mcg/mL</td>
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<th>Limitations:</th>
<th>Test:</th>
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Methodology: Immunoassay, includes a separate determination for NAPA


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.