## Porphyrins, Total, Serum

### TEST NAME
- **Porphyprins Total, Serum**
- **Porphyprins Interpretation**

### METHODOLOGY
- Scanning Fluorometry

### LOINC CODE
- 33311-2
- 49289-2

### SPECIMEN REQUIREMENTS

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Specimen Volume (min)</th>
<th>Specimen Type</th>
<th>Specimen Container</th>
<th>Transport Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred</td>
<td>2 mL (1)</td>
<td>Serum</td>
<td>Clot Activator (Red Top, No-Gel)</td>
<td>Frozen</td>
</tr>
<tr>
<td>Alternate 1</td>
<td>2 mL (1)</td>
<td>Plasma</td>
<td>Sodium Heparin (Green Top / No-Gel)</td>
<td>Frozen</td>
</tr>
<tr>
<td>Alternate 2</td>
<td>2 mL (1)</td>
<td>Plasma</td>
<td>EDTA (Lavender Top)</td>
<td>Frozen</td>
</tr>
</tbody>
</table>

**Instructions**
- **CRITICAL: Protect from light during collection, storage, and shipment.**
- Separate plasma or serum from cells within 1 hour of collection. Transfer 2 mL (Min: 1 mL) plasma or serum to an Amber Transport Tube and Freeze.
- Unacceptable Conditions: Body fluids other than plasma or serum. Frozen whole blood. Hemolyzed specimens.
- Stability After separation from cells: Ambient: Unacceptable; Refrigerated: 4 days; Frozen: 1 month

### GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Testing Schedule</th>
<th>Sun, Tue, Thu</th>
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<tbody>
<tr>
<td>Expected TAT</td>
<td>2-5 Days</td>
</tr>
</tbody>
</table>

**Clinical Use**
Useful for evaluation of cutaneous photosensitivity to rule out porphyrin disorders, particularly erythropoietic protoporphyria. The best specimen for evaluation of suspected porphyria cutanea tarda (PCT) is a urine specimen. Continued monitoring of PCT with serum is an acceptable practice. Evaluation of neurologic and/or psychiatric symptoms associated with suspected acute porphyria (such as acute intermittent porphyria) requires Porphobilinogen (PBG), Urine.

**Notes**
- Reference Lab: ARUP
- Test Code: 80429
- [Click Here](#) to view information on the ARUP website.

**CPT Code(s)**
- 84311

**Lab Section**
- Reference Lab