PRIMIDONE SERUM

Orderable - PRIM
Turn Around Time: 2 days

Alternate Name(s):
Anticonvulsant
Mysoline

Specimen:

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Adult</th>
<th>Pediatric</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mL Red top Vacutainer tube</td>
<td>0-2 years: 2 x 0.5 mL Red top Microtainers</td>
<td>2-10 years: 3 mL Red Vacutainer tube</td>
</tr>
</tbody>
</table>

Collection Information:

Blood collection tubes with separator gels are not recommended for this test.

Minimum volume of serum required is 0.5 mL.

To monitor therapy, draw trough specimens before the next dose is administered. The active metabolite phenobarbital should be measured simultaneously.

Grossly hemolyzed or icteric samples should be avoided.

Reference Ranges:

<table>
<thead>
<tr>
<th>Therapeutic</th>
<th>Toxic</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.0 – 55.0 µmol/L</td>
<td>&gt;70.0 µmol/L</td>
</tr>
<tr>
<td>CRITICAL VALUE to be phoned to Nurse/Physician immediately</td>
<td></td>
</tr>
</tbody>
</table>

Interpretive Comments:

A primidone level should only be considered in combination with the corresponding phenobarbital level, and more attention should be given to the phenobarbital level.
when a clinical decision is being made.

**Specimen Stability:**
Ambient: 2 days  
Refrigerated: 14 days  
Frozen: 1 month

**Storage and Shipment:**
Store and ship serum frozen.