**THIOPURINE METHYLTRANSFERASE: PHENOTYPE**

**Orderable - TPMTP**

**Turn Around Time: 7 days**

**Alternate Name(s):**

TPMT Phenotype

**Specimen:**

4 mL Lavender EDTA Vacutainer tube

**Collection Information:**

A minimum volume of 1 mL is required for testing.

Avoid gel-separator tubes. Do not freeze, store and send cold.

**Note:** This test is only available to gastroenterologists at SJH/LHSC. If requested by other physician’s approval must be given by the Biochemist on-call.

**Reference Ranges:**

<table>
<thead>
<tr>
<th>Activity Level</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Activity</td>
<td>&lt; 10 nmol/Hbh</td>
</tr>
<tr>
<td>Intermediate</td>
<td>10 - 40 nmol/Hbh</td>
</tr>
<tr>
<td>Normal Activity</td>
<td>&gt; 40 nmol/Hbh</td>
</tr>
</tbody>
</table>

**Interpretive Comments:**

Falsely low TPMT activity is observed in patients being treated with aminosalicylates. Red blood cell transfusion pre-test may produce false indication of patient’s TPMT status. Patients should be tested prior to Azathioprine or 6-MP treatment.

**Storage and Shipment:**

Do not freeze. Please send on ice packs. Specimen must be received at ICL Monday-Thursday within 4 days of collection. State collection date. TPMT Genotyping is also available - see separate listing.