Test Description

PROMETHEUS® TPMT Genetics helps classify patients as one of three genotypes: homozygous normal (wild type), heterozygous or homozygous recessive. Because each patient metabolizes thiopurines differently, the efficacy and toxicity of thiopurines can vary widely from patient to patient. Knowledge of the TPMT genotype may reduce time to response, allow physicians to individualize dosing, identify patients in whom thiopurine therapy should be avoided and help reduce the risk of leukopenia.

- A qualitative evaluation, to determine a patient’s genetic ability to produce the thiopurine methyltransferase (TPMT) enzyme
- Patent protected
- Specimen Requirements – 5.0 mL whole blood in EDTA / Lavender Top Tube
- Shipping Requirements - Ambient or cold pack
- Storage Stability - 10 days room temp, 30 days refrigerated
- Turn Around Time – 2 business days from date of receipt

Test Information:

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Test Name</th>
<th>Assay</th>
<th>Reference Value</th>
<th>Result Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>3300</td>
<td>TPMT Genetics</td>
<td>Genotype</td>
<td>Alleles present are associated with Normal Enzyme Activity</td>
<td>A00004</td>
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<td></td>
<td></td>
<td>TPMT<em>1/TPMT</em>1</td>
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* Result identifier provided for use in HL7 applications.

Laboratory Description

- Prometheus is located in San Diego, CA. Tax ID# 33-0685754 NPI# 1073642641.
- Licensed in several states including New York and California.
- This test was developed and its performance characteristics determined by Prometheus Laboratories Inc. It has not been cleared or approved by the U.S. Food and Drug Administration. Prometheus Laboratories Inc. is a CAP-accredited CLIA laboratory.

CPT Codes (as applied by Prometheus)

- 81401, TPMT genetics

Literature References

- Seidman EG, Clinical use and practical application of TPMT enzyme and 6-mercaptopurine metabolite monitoring in IBD. *Rev Gastroenterol Disord.* 2003;3(suppl 1):S30-S38.

Assays and methods within this test may be covered by one or more US pending patents. For details, please visit [www.prometheuslabs.com](http://www.prometheuslabs.com)