

HLA-B*5801 GENOTYPE, ALLOPURINOL HYPERSENSITIVITY, SALIVA
Test ID: HL580

USEFUL FOR:

- Predicting increased risk of hypersensitivity reactions to allopurinol
- Excluding patients at an elevated risk for allopurinol hypersensitivity syndrome from receiving allopurinol

METHODOLOGY: Qualitative allele-specific real-time Polymerase Chain Reaction (PCR)

REFERENCE VALUES: An interpretive report will be provided. Positivity for *HLA-B*5801* confers risk for hypersensitivity to allopurinol.

SPECIMEN REQUIREMENTS:

Container/Tube: Oragene DNA Self-Collection Kit (Supply T651)

Specimen Volume: Full tube

Collection Instructions:

1. Fill to tube line.
2. Send specimen in original container per kit instructions.

FORMS: **New York Clients-Informed consent is required.** Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Saliva	Ambient	

CAUTIONS:

- Rare, unreported *HLA-B58* alleles may occur and may or may not interfere with this assay. This assay also detects closely related, but rare, alleles including *HLA-B*5705*, *5804, *5805, *5809, *5810, *5811, *5812, *5813, *5815, *5817, *5819, *5821, *5822, *5823, *5824 and *5828. There are, as yet, no data indicating whether these subtypes are associated with hypersensitivity.
- This saliva-based test is especially useful for establishing the *HLA-B*5801* genotype in patients who received a heterologous blood transfusion in the preceding 45 days (6 weeks) or allogeneic bone marrow transplants.

CPT CODE: 81381- HLA Class I typing, high resolution (ie, alleles or allele groups); one allele or allele group (eg, B*57:01P), each

DAY(S) SET UP: Monday and Thursday

ANALYTIC TIME: 1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or Shirley Pokorski, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710