Test Definition: 1A2

Cytochrome P450 1A2 Genotype

Reporting Title: CYP1A2 Genotype
Performing Location: Rochester

Specimen Requirements:

Multiple whole blood EDTA genotype tests can be performed on a single specimen after a single extraction. See Multiple Whole Blood EDTA Genotype Tests in Special Instructions for a list of tests that can be ordered together.

Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions: Send specimen in original tube.
Additional Information:
1. Bone marrow and liver transplants will interfere with testing. Call Mayo Medical Laboratories at 800-533-1710 or 507-266-5700 for instructions.
2. Transfusions will interfere with testing for up to 4 to 6 weeks. DNA obtained from white cells may not provide useful information for patients who received a recent transfusion of blood that was not leukocyte-reduced. Wait 4 to 6 weeks until transfused cells have left the patient's circulation before drawing the patient's blood specimen for genotype testing.
3. Cytochrome P450 Patient Education Brochure (Supply T526) is available upon request.
Forms:
1. 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.
2. If not ordering electronically, submit a Cytogenetics Hematologic Disorders Request Form (Supply T607) with the specimen.

Specimen Type	Temperature	Time
Whole Blood EDTA	Ambient (preferred)	
	Refrigerated	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
45499	1A2 Phenotype Interpretation	Alphanumeric		69047-9
45501	1A2 -3860g>a	Alphanumeric		In Process
45502	1A2 -2467tdel	Alphanumeric		In Process
45504	1A2 -729c>t	Alphanumeric		In Process
45505	1A2 -163c>a	Alphanumeric		In Process
45506	1A2 125c>g	Alphanumeric		In Process
45507	1A2 558c>a	Alphanumeric		In Process
45508	1A2 2385g>a	Alphanumeric		In Process

Result ID	Reporting Name	Type	Unit	LOINC®
45509	1A2 2473g>a	Alphanumeric		In Process
45510	1A2 2499a>t	Alphanumeric		In Process
45511	1A2 3497g>a	Alphanumeric		In Process
45512	1A2 3533g>a	Alphanumeric		In Process
45513	1A2 5090c>t	Alphanumeric		In Process
45514	1A2 5166g>a	Alphanumeric		In Process
45517	1A2 Reviewed by	Numeric		In Process

CPT Code: 1 × 81479

Reference Values:

An interpretive report will be provided.