Test Definition: 2D6CB

Cytochrome P450 2D6 (CYP2D6) Comprehensive Cascade, Blood

Reporting Title: CYP2D6 Genotype Cascade, B
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. This assay will provide information relevant to tamoxifen, psychotropic medications (such as fluoxetine, nortriptyline, paroxetine, and pimozide), codeine, and tramadol, as well as other medications metabolized by CYP2D6.
2. Bone marrow and liver transplants will interfere with testing. Call Mayo Medical Laboratories at 800-533-1710 or 507-266-5700 for instructions.
3. 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.
4. Cytochrome P450 Patient Education Brochure (Supply T526) is available upon request.
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 Type	Temperature	Time
Whole Blood EDTA	Ambient (preferred)	
	Refrigerated	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
34557	CYP2D6 Phenotype	Alphanumeric		In Process
34556	CYP2D6 Star Alleles	Alphanumeric		In Process
34553	CYP2D6 Interpretation	Alphanumeric		In Process
34554	Reviewed by	Numeric		In Process

CPT Code: 1 × 81226

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
2D6CN	CYP2D6 Copy Number Variation, B	1	81479	No	No (Bill Only)
2D6DA	CYP2D6 Duplication Sequence A, B	1	81479	No	No (Bill Only)
2D6DB	CYP2D6 Duplication Sequence B, B	1	81479	No	No (Bill Only)
2D6DC	CYP2D6 Duplication Sequence C, B	1	81479	No	No (Bill Only)
2D6FG	CYP2D6 Full Gene Sequencing, B	1	81479	No	No (Bill Only)
2D6N	CYP2D6-2D7 Gene Sequencing, B	1	81479	No	No (Bill Only)
2D6R	CYP2D7-2D6 Gene Sequencing, B	1	81479	No	No (Bill Only)

Reference Values:

A comprehensive interpretive report will be provided.