

# **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 test currently is intended for assessment of patients receiving medications for treatment of depression and other psychiatric disorders.
- 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.
- 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 Information:**

2D6CB

81226-CYP2D6 (cytochrome P450, family 2, subfamily D, polypeptide 6) (eg, drug metabolism), gene analysis, common variants (eg, \*2, \*3, \*4, \*5, \*6, \*9, \*10, \*17, \*19, \*29, \*35, \*41, \*1XN, \*2XN, \*4XN) 2D6CN

81479-Unlisted molecular pathology procedure (if appropriate)



# **Test Definition: 2D6CB**

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2D6FG

81479-Unlisted molecular pathology procedure (if appropriate)

2D6N

81479-Unlisted molecular pathology procedure (if appropriate)

2D6R

81479-Unlisted molecular pathology procedure (if appropriate)

2D6DA

81479-Unlisted molecular pathology procedure (if appropriate)

2D6DB

81479-Unlisted molecular pathology procedure (if appropriate)

2D6DC

81479-Unlisted molecular pathology procedure (if appropriate)

### **Reflex Tests:**

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

#### **Reference Values:**

A comprehensive interpretive report will be provided.