Test Definition: 2D6T

Cytochrome P450 2D6 Genotype for Tamoxifen Hormonal Therapy

Reporting Title: CYP2D6 Genotype - Tamoxifen Therapy
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.
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®
45520	2D6 Tamoxifen Phenotype Interp	Alphanumeric		69047-9
26775	2D6 Tamoxifen Genotype Star Alleles	Alphanumeric		In Process
26758	2D6T Duplication	Alphanumeric		In Process
26759	2D6T Deletion	Alphanumeric		21661-4
26760	2D6T -1584c>g (*2A)	Alphanumeric		In Process
26761	2D6T 100c>t (*10)	Alphanumeric		In Process
26762	2D6T 124g>a (*12)	Alphanumeric		In Process
30797	2D6T 138inst (*15)	Alphanumeric		In Process
26763	2D6T 883g>c (*11)	Alphanumeric		In Process
26764	2D6T 1023c>t (*17)	Alphanumeric		In Process

Result ID	Reporting Name	Type	Unit	LOINC®
26766	2D6T 1707tdel (*6)	Alphanumeric		In Process
26767	2D6T 1758g>t/a (*8/*14)	Alphanumeric		In Process
26768	2D6T 1846g>a (*4)	Alphanumeric		In Process
26769	2D6T 2549adel (*3)	Alphanumeric		In Process
26770	2D6T 2613agadel (*9)	Alphanumeric		In Process
26771	2D6T 2850c>t (*2)	Alphanumeric		In Process
26772	2D6T 2935a>c (*7)	Alphanumeric		In Process
26773	2D6T 2988g>a (*41)	Alphanumeric		In Process
45521	2D6 Tamoxifen Genotype Interp	Alphanumeric		69047-9
26776	2D6 Tamoxifen Reviewed by	Numeric		In Process

CPT Code: 1 × 81226

Reference Values:

An interpretive report will be provided.