Test Definition: 2C9S

Cytochrome P450 2C9 Genotype by Sequence Analysis, Blood

Reporting Title: CYP2C9 Sequence Genotype
Performing Location: Rochester

Specimen Requirements:

This test is used for assessing CYP2C9 for polymorphisms affecting the metabolism of drugs other than warfarin/Coumadin. If requesting for the use of warfarin, order WARFP/60529 Warfarin Sensitivity Genotype which includes testing for the CYP2C9 gene and VKORC1 gene promoter.

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: 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®
32164	CYP2C9 Phenotype Interpretation	Alphanumeric		In Process
32165	CYP2C9 Genotype Star Alleles	Alphanumeric		46724-1
24181	CYP2C9 430C>T (*2)	Alphanumeric		In Process
24182	CYP2C9 818DelA (*6)	Alphanumeric		In Process
24183	CYP2C9 1075A>C (*3)	Alphanumeric		In Process
24184	CYP2C9 1076T>C (*4)	Alphanumeric		In Process
24185	CYP2C9 1080C>G (*5)	Alphanumeric		In Process

Result ID	Reporting Name	Type	Unit	LOINC®
83652	CYP2C9 Genotype Interpretation	Alphanumeric		46724-1
24186	CYP2C9 Reviewed by	Numeric		In Process
2C9Q	CYP2C9 Sequencing	Alphanumeric		In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
2C9	CYP2C9 Genotype	1	81227	Yes	No
2C9Q	CYP2C9 Sequencing	6		Yes	No

Reference Values:

An interpretive report will be provided.