



FG Cardio COMPLETE

Pharmacogenetics in
Cardiology

SYNLAB 
SOLUTIONS IN DIAGNOSTICS

www.synlab-sd.com



Why undergoing this examination?

Cardiovascular diseases encompass a set of pathologies related to the heart and blood vessels, which can occur due to genetic as well as environmental factors. Among the related cardiovascular and metabolic diseases, notable ones include hyperlipidemia, arterial hypertension, diabetes mellitus, coagulation disorders, and arrhythmias.

The pharmacological treatment of cardiovascular diseases is based on the use of various medications aimed at alleviating both the causes and symptoms of the disease.

Even with recent advances in pharmacological treatment, not all patients with cardiovascular diseases respond adequately to medication. Human genome variation is one of the most important factors responsible for modulating the individual response to pharmacological treatment.

What is the exam?

The **FG Cardio Complete** pharmacogenetic panel evaluates the main metabolizing enzymes and targets involved in the effect and toxicity of different drugs used in the treatment of cardiovascular diseases, providing the ability to select the most suitable drug and individually guide the dose for each patient.

For whom is it indicated?

- Patients with cardiovascular diseases who want to personalize treatment based on their genetic profile;
- Patients with cardiovascular diseases for whom pharmacological treatment does not yield expected results.

Technology

Next-generation sequencing (NGS).

Advantages

SYNLAB GROUP

Guaranteed by the experience of the absolute European leader in laboratory diagnostics.

COMPLETE

Detailed report, including the type of metabolism of each enzyme, which drugs may cause toxic effects and adverse reactions, as well as recommendations on doses.

Extra Information

DOCUMENTATION - Available on the SYNLAB Direct for clients

- Informed Consent;
- Clinical Questionnaire;
- Medical Request.

PREPARATION

- Fasting is not necessary for the exam.



Delivery Time

22 business days



Sample Type

5 mL of whole blood in EDTA

Additional Information

Studied Drugs		
Acenocoumarol	Enalapril (P)	Metoprolol
A.A.S	Eplerenone	Nebivolol
Aliskiren	Eprosartan	Nifedipine
Amiodarone	Spironolactone	Olmesartan
Amlodipine (P)	Ezetimibe	Perindopril
Apixaban	Felodipine	Propafenone
Atenolol	Fenofibrate (P)	Propranolol
Atorvastatin	Flecainide	Ramipril
Bisoprolol	Fosinopril (P)	Ranolazine
Candesartan	Hydrochlorothiazide	Rivaroxaban
Captopril	Irbesartan	Rosuvastatin
Carvedilol	Ivabradine	Sinvastatin
Clopidogrel	Lercanidipine	Telmisartan
Chlorthalidone	Lisinopril	Torasemide
Digoxin	Losartan (P)	Valsartan
Diltiazem	Lovastatin	Warfarin
Doxazosin	Manidipine	Verapamil
Dronedarone		

(P): Prodrug. A pharmacologically inactive or weakly active substance administered in an inactive form. The prodrug is metabolized in the body to an active metabolite.