

STATINS PHARMACOGENOMICS TEST

Based on SLCO1B1, ABCG2, and CYP2C9 Genotyping

Statins reduce cholesterol, prevent cardiovascular disease, and are among the most commonly prescribed medications. Statin-associated musculoskeletal symptoms (SAMS) impact statin adherence and ultimately can impede the long-term effectiveness of statin therapy. Genetic variations in SLCO1B1, ABCG2, and CYP2C9 genes alter systemic exposure to statins, potentially increasing the risk of SAMS.

Our test service detects and reports the below diplotypes of individual genes tested.

Therapeutic Recommendations are available within the Result Reports for the following drugs:

Atorvastatin, lovastatin, pitavastatin, pravastatin, simvastatin, rosuvastatin, and fluvastatin.

CPIC®: Clinical Pharmacogenetics Implementation Consortium: cpicpgx.org

Result Report
Example:



CPIC Guidelines
(Literature):



CPIC Guidelines
(Webpage):



Gene	Diplotypes	Enzyme Function	Allele Frequencies	Allele	Central/ S. Asian	East Asian	Euro.
SLCO1B1	*1/*1, *1/*37, *37/*37	Normal function	SLCO1B1	*5	1%	< 0.5%	2%
	*1/*5, *1/*15, *37/*5, *37/*15	Decreased function		*15	6.5%	12.5%	15%
	*5/*5, *15/*15, *5/*15	Poor function		*37	46%	61%	25%
ABCG2	G/G	Normal function	ABCG2	T	9.3%	31%	10%
	G/T	Decreased function					
	T/T	Poor function					
CYP2C9	*1/*1	Normal function	CYP2C9	*2	11%	0.2%	13%
	*1/*2, *1/*3	Decreased function		*3	11%	3.8%	8%
	*2/*2, *2/*3, *3/*3	Poor function					

Extracted from the CPIC®

LABORATORY VALIDATION

31 clinical samples were run against reference materials, achieving 100% congruence in calling the diplotypes of individual genes tested.

SPECIMEN

Specimen required: 1 mL whole blood in EDTA tube.

TEST RESULTS

Results will be sent to your clinic's email, including therapeutic recommendations by the CPIC®.



Price Per Test

Call to Enquire



Turnaround Time

12 hours



Specimen Collection

Mon-Fri: 8AM-10PM

Sat/Sun/PH: 11AM-8PM &

9PM-10PM

Hotline: 8339 8766

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