

Georgia Esoteric & Molecular Labs, LLC

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AmpliChip CYP450 Analysis

Test Ordering Code:	1161
CPT Codes:	2C19: 83891, 83900, 83892, 83896x4, 83903, 83912 2D6: 83891, 83900, 83901x2, 83892, 88385, 83903
Specimen:	1mL minimum of whole blood anti-coagulated with EDTA (purple top tube) Store at 4° C and ship at room temperature
Turnaround Time:	Variable by volume and request
Clinical Significance:	Only 25-60% of the population is expected to respond normally to standard doses of drugs commonly prescribed by doctors, and harmful reactions lead to approximately 100,000 deaths annually. CYP450 enzymes, mainly located in the liver, are responsible for most drug metabolism. In particular, CYP2D6 and CYP2C19 metabolize about 25% of all prescription drugs on the market including many widely prescribed anti-psychotics, anti-depressants, beta-blockers, proton pump inhibitors, and anti-epileptics. The new FDA approved AmpliChip CYP450 Test our lab offers predicts how well or poorly a patient is able to metabolize medications that use the 2D6 and 2C19 pathway.
Indications for Testing:	Before beginning any drug therapy Patients not responding to current medications Patients suffering adverse effects due to medications
Methodology:	The AmpliChip CYP450 Test uses polymerase chain reaction (PCR) and microarray technologies
Reporting of Results:	Predicted phenotypes will be reported
Intended Use:	This test will predict phenotype based upon genotype results for CYP2D6 and CYP2C19
References:	Roche Diagnostics 9115 Hague Rd. Indianapolis, IN 46256