
Reporting Title: CYP3A4 Genotype, V**Performing Location:** Rochester**Ordering Guidance:**

Testing is available as the single gene assay (this test) and as a part of a psychotropic or focused pharmacogenomics panel.

If multiple pharmacogenomic genotype testing is desired, order PGXQP / Focused Pharmacogenomics Panel, Varies.

If genotype testing for psychotropic medications is desired, order PSYQP / Psychotropic Pharmacogenomics Gene Panel, Varies.

Additional Testing Requirements:

Most drugs metabolized by CYP3A4 are also metabolized by CYP3A5, but usually to a lesser extent, so testing of CYP3A5 may also be relevant and should be determined on a case by case basis. If CYP3A5 genotyping is needed, order 3A5Q / Cytochrome P450 3A5 Genotype, Varies.

Specimen Requirements:

Multiple genotype tests can be performed on a single specimen after a single extraction. See [Multiple Genotype Test List](#) in Special Instructions for a list of tests that can be ordered together.

Submit only 1 of the following specimens:**Specimen Type:** Whole blood**Container/Tube:** Lavender top (EDTA)**Specimen Volume:** 3 mL**Collection Instructions:**

1. Invert several times to mix blood.
2. Send specimen in original tube.

Specimen Stability Information: Ambient (preferred) 9 days/Refrigerated 30 days**Specimen Type:** Saliva**Patient Preparation:** Patient should not eat, drink, smoke, or chew gum 30 minutes prior to collection.**Supplies:** Saliva Swab Collection Kit (T786)**Specimen Volume:** One swab**Collection Instructions:** Collect and send specimen per kit instructions.**Specimen Stability Information:** Ambient 30 days**Specimen Type:** Extracted DNA**Container/Tube:** 2 mL screw top tube**Specimen Volume:** 100 mcL (microliters)**Collection Instructions:**

1. The preferred volume is 100 mcL at a concentration of 50 ng/mcL.
2. Include concentration and volume on tube.

Specimen Stability Information: Frozen (preferred)/Ambient/Refrigerated

Forms:

1. **New York Clients-Informed consent is required.** Document on the request form or electronic order that a copy is on file. The following documents are available in Special Instructions:
- [Informed Consent for Genetic Testing](#) (T576)

-[Informed Consent for Genetic Testing-Spanish](#) (T826)
2. If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:
- [Pharmacogenomics Test Request](#) (T797)

-[Cardiovascular Test Request](#) (T724)

-[Neurology Specialty Testing Client Test Request](#) (T732)

-[Therapeutics Test Request](#) (T831)

Specimen Type	Temperature	Time	Special Container
Varies	Varies		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
610110	CYP3A4 Genotype	Alphanumeric		81139-8
610111	CYP3A4 Phenotype	Alphanumeric		81145-5
610112	Interpretation	Alphanumeric		69047-9
610113	Additional Information	Alphanumeric		48767-8
610114	Method	Alphanumeric		85069-3
610115	Disclaimer	Alphanumeric		62364-5
610116	Reviewed by	Alphanumeric		18771-6

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

81230-CYP3A4

Reference Values:

An interpretive report will be provided.