



Patient ID <b>SA00062777</b>	Patient Name <b>TESTINGRNV, OPRM1 AB</b>	Birth Date <b>1980-01-21</b>	Gender <b>F</b>	Age <b>33</b>
Order Number <b>SA00062777</b>	Client Order Number <b>SA00062777</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>24 Sep 2013 09:10</b>		

## OPRM1 Genotype, Naltrexone Efficacy

### OPRM1 Result

MCR

G/G

### OPRM1 Interpretation

MCR

Homozygous OPRM1 355G/G [Asp/Asp]. This individual is homozygous for the OPRM1 355G allele which encodes for the Aspartic acid/Aspartic acid genotype. The Aspartic acid allele has been associated with better response to naltrexone treatment in alcoholics; including lower rate of relapse and a longer time to return to heavy drinking.

#### ADDITIONAL INFORMATION

Direct polymorphism analysis of the OPRM1 355A>G [Asn102Asp] polymorphism is performed by a Polymerase Chain Reaction (PCR) based 5'-nuclease assay using fluorescently labeled detection probes. Historically the mutation has been

referred to as OPRM1 118A>G [Asn40Asp]. This DNA testing will not detect all the known mutations and polymorphisms of OPRM1. Absence of mention of a specific gene mutation or polymorphism does not rule out the possibility that a patient has that or another variation that can impact the function of this receptor, drug response or drug side effects.

#### CAUTIONS:

If the patient has had an allogeneic blood or marrow transplant or a recent (i.e. less than 6 weeks from time of sample collection) heterologous blood transfusion these results may be inaccurate due to the presence of donor DNA.

#### OPRM1 Reviewed by

MCR

Jamie Brufat

**Received:** 25 Sep 2013 14:01

**Reported:** 25 Sep 2013 14:21

#### Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905