



Patient ID <b>SA00059535</b>	Patient Name <b>SAMPLEREPORT, DRD3 N</b>	Birth Date <b>1966-06-10</b>	Gender <b>F</b>	Age <b>47</b>
Order Number <b>SA00059535</b>	Client Order Number <b>SA00059535</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>27 Jun 2013 00:00</b>		

## DRD3 Genotype

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MCR

Homozygous DRD3 25A/25A [serine/serine]. This individual is homozygous for the DRD3 25A allele which encodes for the serine/serine genotype. The serine allele is associated with poorer response to clozapine and olanzapine but better response to risperidone than the glycine allele. The serine allele has also been associated with lower risk of development of tardive dyskinesia after use of typical antipsychotics.

#### ADDITIONAL INFORMATION

Direct polymorphism analysis of the DRD3 25A>G [Ser9Gly] polymorphism is performed by allele specific primer extension assay following PCR amplification. This DNA testing will not detect all the known mutations and polymorphisms of DRD3. Historically, the SNP is located at position 25 of the cDNA. However, more recent work indicates it is position 456 of the

cDNA. 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. Laboratory developed test.

#### Reviewed by

Jamie Bruflat

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**Received:** 03 Jul 2013 13:33

**Reported:** 16 Sep 2013 17:44

#### Performing Site Legend

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