MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,DRD3 A	SA00059536	47	F	SA00059536
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00059536	**Account Information**			**Report Notes**
Collected 06/27/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 09/17/2013 07:31				

Test	Flag	Results	Unit	Reference Value	Perform Site*
DRD3 Genotype					MCR

RECEIVED: 07/03/2013 13:33 **REPORTED:** 09/16/2013 17:45

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

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.

Laboratory developed test.

Reviewed by Jamie Bruflat MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,DRD3 A	06/27/2013 00:00	Final
		** End of Report **

* Report times for Mayo performed tests are CST/CDT