MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
REPORTVALIDATION,AUTOMATION DN...	RVDNPLB056	40	F	RVDNPLB056
Ordering Phys				**DOB** 01/01/1971
Client Order # RVDNPLB056	**Account Information**			**Report Notes**
Collected 11/18/2011 11:27	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 11/21/2011 10:59				

Test	Flag	Results	Unit	Reference Value	Perform Site*
DRD3 Genotype, Saliva			REPORTED 11/19/2011 12:32		
Reviewed by		Jamie Bruflat			MCR
DRD3 Genotype					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.

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.

* Performing Site:

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.