



Patient ID SA00059536	Patient Name SAMPLEREPOR, DRD3 A	Birth Date 1966-06-10	Gender F	Age 47
Order Number SA00059536	Client Order Number SA00059536	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 27 Jun 2013 00:00		

DRD3 Genotype

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MCR

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.

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

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Performing Site Legend

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