

1-800-533-1710

PATIENT NAME TESTING, 83302		PATIENT NUMBER L3MRNW4076037		AGE 58	SEX F	ACCESSION # W4076037
ORDERING PHYSICIAN		CLIENT ORDER #			ACCOUNT # LIAISONS	
COLLECTION 04/22/11 01:55 P DATE TIME	RECEIVED 04/22/11 01:55 P DATE TIME	REPORT PRINTED 04/25/11 10:26 A DATE TIME		SPECIMEN INFORMATION DATE OF BIRTH:		
Test Client Attn: Mayo Liaisons 200 First Street SW Rochester, MN 55905 507-284-8202						

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *
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Rapid DNA Extraction

Comment

Genomic DNA was extracted.

REPORTED: 04/22/11 01:56 P
 MCR

Serotonin Transporter Genotype

 Serotonin Transporter
 Genotype

This patient is heterozygous for the short/long promoter polymorphism of the serotonin transporter gene. The short promoter allele is reported to decrease expression of the serotonin transporter compared to the homozygous long promoter allele. The patient may have an increased time to response with selective serotonin reuptake inhibitors due to the presence of the short form of the gene.

 Reviewed by **John L. Black, M.D.**

This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.

This testing is performed by PCR amplification of the region surrounding the polymorphism followed by size separation of the products. The serotonin transporter (5-HTT) modulates neurotransmission by facilitating removal of serotonin from the synapse of serotonergic neurons, resulting in serotonin reuptake into the presynaptic terminus. A 44-base pair promoter insertion/deletion polymorphism called LPR, or linked polymorphic region, produces alleles described as long or short. The short allele is dominant and results in decreased concentration of the transporter protein and a poorer response to stressful events. While individuals homozygous for the long allele (1/1) may demonstrate response to SSRI therapy in 3 to 4 weeks, individuals with

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* Perform Site Legend on last page of report

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the short allele (l/s or s/s) may respond to SSRI therapy more slowly.

* PERFORMING SITE

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