

Patient ID 0000180961	Patient Name SAMPLEREPORT, HTT	Birth Date 1966-06-10	Gender F	Age 46
Order Number 0000180961	Client Order Number 0000180961	Ordering Physician ,	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 15 Mar 2013 01:07		

Serotonin Transporter Genotype

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MCR

This patient is homozygous for the long promoter polymorphism of the serotonin transporter gene. The long promoter allele is reported to express normal levels of the serotonin transporter. The patient is predicted to have a normal time to response with selective serotonin reuptake inhibitors.

ADDITIONAL INFORMATION

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 (l/l) may demonstrate response to SSRI therapy in 3 to 4 weeks, individuals with the short allele (l/s or s/s) may respond to SSRI therapy more slowly.

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

Jennifer Herman

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Received: 15 Mar 2013 01:07

Reported: 05 Jun 2013 10:27

Performing Site Legend

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