



Patient ID RVDNPLB053	Patient Name REPORTVALIDATION, AUTOMATION DNPLB	Birth Date 1971-01-01	Gender F	Age 40
Order Number RVDNPLB053	Client Order Number RVDNPLB053	Ordering Physician ,	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 18 Nov 2011 11:07		

Serotonin Transporter (LPR), Saliva

Reviewed by

MCR

Jamie Bruflat

Serotonin Transporter Genotype

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.

Received: 18 Nov 2011 12:19

Reported: 19 Nov 2011 11:04

Performing Site Legend

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