MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
REPORTVALIDATION,AUTOMATION DN...	RVDNPLB053	40	F	RVDNPLB053
Ordering Phys				**DOB** 01/01/1971
Client Order # RVDNPLB053	**Account Information**			**Report Notes**
Collected 11/18/2011 11:07	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 11/21/2011 10:58				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Serotonin Transporter (LPR), Saliva			REPORTED 11/19/2011 11:04		
Reviewed by		Jamie Bruflat			MCR
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.
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.
Laboratory developed test.

* Performing Site:

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First St SW Rochester, MN 55905	Lab Director:

Patient Name	Collection Date and Time	Report Status
REPORTVALIDATION,AUTOMATION DN...	11/18/2011 11:07	Final
Page 1 of 1		** End of Report **

* Report times for Mayo performed tests are CST/CDT