MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,FHDMA	SA00047905	42	F	SA00047905
Ordering Phys				**DOB** 06/20/1970
Client Order # SA00047905	**Account Information**			**Report Notes**
Collected 07/23/2012 13:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 07/24/2012 13:13				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Huntington Disease Mol Analysis			REPORTED 07/24/2012 09:23		
Specimen Description		Blood			Y107
Clinical Comments					Y107
Patient is reported to have clinical findings consistent with HD.					
Allele 1		22			Y107
Allele 2		41			Y107
Methodology: Total cellular DNA was extracted from the above patient's sample and was subjected to amplification using primers specific for regions flanking the CAG trinucleotide repeat segment of the HTT (previously named IT15) gene. The PCR fragments were analyzed on an ABI 3130xl Genetic Analyzer and results were analyzed using Genemapper software. Repeat sizes are accurate +/-2 repeat units.					
Interpretation					Y107
There is an expansion of an HTT allele to a size greater than 35 CAG repeats. These results indicate that this individual has the HTT CAG repeat expansion that causes Huntington disease. Genetic counseling regarding these results is recommended. Huntington disease is caused by expansions of a CAG repeat motif within the HTT gene. Alleles with greater than 35 repeats are associated with symptoms of HD. Clinical symptoms of HD have not been reported in patients with both allele sizes less than 36 repeats. HD is transmitted in an autosomal dominant pattern. Each child of an affected individual has a 50% chance of inheriting the gene that causes HD. These results do not take into account the remote possibility of sample mix-up or laboratory error. This test was developed and its performance determined by the University of Minnesota Medical Center, Fairview Molecular Diagnostic Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. Pursuant to the requirements of CLIA'88, this laboratory has established and verified the test's accuracy and precision. This test is used for clinical purposes.					
Electronically signed out by		Sophia L Yohe, MD			Y107

* Performing Site:

Y107	Univ of Minnesota Outreach Laboratories 420 Delaware St. S.E. Minneapolis, MN 55455	Lab Director:

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,FHDMA	07/23/2012 13:00	Final
Page 1 of 1		** End of Report **

* Report times for Mayo performed tests are CST/CDT