MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,APOE	SA00045516	45	F	SA00045516
Ordering Phys				**DOB** 06/10/1966
Client Order # SA00045516	**Account Information**			**Report Notes**
Collected 04/29/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 07/17/2012 17:27				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Apolipoprotein E Genotyping, B			REPORTED 07/13/2012 09:49		
Specimen		Blood			MCR
Specimen ID		1038122			MCR
Order Date		08 May 2012 07:38			MCR
Method					MCR

A PCR based assay, including Hha I digestion of the amplified product, was utilized to identify the three common APOE alleles (epsilon2, epsilon3, and epsilon4).

Result					MCR

The genotype was determined to be E2E2.

Interpretation					MCR

The Apo E2 isoform is associated with a relatively slow conversion of IDL to LDL versus the E3 isoform, and lower cholesterol and increased triglycerides in serum. Over 90% of individuals with type III hyperlipoproteinemia are homozygous for the e2 allele. However, less than 10% of e2 homozygotes have overt type III hyperlipoproteinemia. Hetero- or homozygosity for the E2 allele is associated with a lower risk of cardiovascular disease with the exception of those individuals that have type III hyperlipoproteinemia.

Less common APOE variants that do not alter a restriction site for Hha I will not be detected by this assay.

This assay is for the evaluation of hyperlipidemia only. The Molecular Genetics laboratory at Mayo Clinic is not licensed to perform this test for other purposes. Apo E testing for other indications should be referred to another laboratory.

CAUTIONS:
Test results should be interpreted in context of clinical findings, family history, and other laboratory data. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

Rare polymorphisms exist that could lead to false negative or positive results. If results obtained do not match the clinical findings, additional testing should be considered.

Bone marrow transplants from allogenic donors will interfere with testing. Call Mayo Medical Laboratories for instructions for testing patients who have received a bone marrow transplant.

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

TEST SITE

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Test	Flag	Results	Unit	Reference Value	Perform Site*
Laboratory developed test.					
Extraction Performed?		Yes			MCR
Reviewed By:					MCR
Melody Elizabeth Kimball					
Release Date		13 Jul 2012 09:47			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,APOE	04/29/2012	Final
Page 2 of 2		** End of Report **

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TEST SITE