MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,HLA57	0000180935	46	F	0000180935
Ordering Phys				**DOB** 06/10/1966
Client Order # 0000180935	**Account Information**			**Report Notes**
Collected 03/15/2013 00:12	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/05/2013 11:07				

Test	Flag	Results	Unit	Reference Value	Perform Site*
HLA-B 5701 Genotype, Abacavir, B					
RECEIVED: 03/15/2013 00:12 **REPORTED:** 06/05/2013 10:53					
HLA-B 5701 Result		Positive			MCR
HLA-B 5701 Interpretation					MCR

This patient was found to have the HLA-B*5701 allele. This allele has been associated with a significant risk of abacavir hypersensitivity reactions (HSR). Treatment with abacavir is not recommended and should be considered only under exceptional circumstances when the potential benefits outweigh the risk. Should abacavir HSR develop, therapy should be discontinued immediately and permanently.
The HLA-B*5701 allele is detected by allele specific amplification (IMGT/HLA accession number HLA00381). This assay also detects, but does not differentiate, closely related but very rare alleles including *5708, *5710, *5713, *5714, *5715, *5716 and *5514. In addition, novel HLA-B alleles have been reported to arise de novo in individuals. These closely related and de novo alleles are observed at a very low frequency and whether or not they are associated with abacavir HSR is unclear at this time.

Interpretation is more critical when there is a clinical history of, or when the physician suspects, an abacavir hypersensitivity reaction. Since symptoms of abacavir hypersensitivity are often variable and non-specific and can imitate other conditions commonly seen in HIV patients in antiviral therapy, the phenotypic diagnosis of abacavir hypersensitivity can be quite challenging.
Laboratory developed test.

HLA-B 5701 Reviewed by		Jennifer Herman			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,HLA57	03/15/2013 00:12	Final
		** End of Report **

* Report times for Mayo performed tests are CST/CDT