

Patient Name TESTINGRNV,ATLAS REPORTS HLA15	Patient ID SA00059462	Age 8	Gender F	Order # SA00059462
Ordering Phys CLIENT,CLIENT				DOB 06/25/2005
Client Order # SA00059462	Account Information			Report Notes
Collected 06/27/2013 06:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 07/29/2013 12:01				

Test	Flag	Results	Unit	Reference Value	Perform Site*
HLAB 1502 Genotype Carbamazepine, B					
RECEIVED: 06/27/2013 11:48 REPORTED: 06/27/2013 12:06					
HLA-B 1502 Result		Positive			MCR
HLA-B 1502 Interpretation		<p>The HLA-B*1502 allele was detected. This allele has been associated with significant risk for toxic epidermal necrolysis (TEN) or Stevens-Johnson syndrome (SJS) in individuals of Asian ancestry when treated with carbamazepine, fosphenytoin, or phenytoin. Therapy with these drugs should be avoided due to the risk of developing SJS/TEN. Therapy should be discontinued immediately and permanently should TEN or SJS develop.</p> <p>The HLA-B genotyping is performed by allele-specific amplification to verify the presence or absence of the HLA-B*1502 allele (IGMT/HLA accession number HLA00165). The association between the presence of HLA-B*1502 and SJS/TEN has been found in individuals of Asian ancestry. In addition to carbamazepine, fosphenytoin, and phenytoin, some studies have also suggested a connection between HLA-B*1502 positivity and adverse reactions to lamotrigine, an anticonvulsant. This test may give false positive results for individuals who carry certain HLA-B alleles (e.g. *1513, *1531, *1555, *1588, *1589, *1820, *9512, *9521, *9544, and *9570). However, most of these alleles are rare and exist in only specific ethnicities. For example, HLAB*1513, while generally rare has been observed more frequently in Malaysian and Indonesian populations. Thus, the false positive rate of this test depends on the frequency of these confounding HLA-B alleles in an individual patient's ethnic group. In addition, other rare, undocumented alleles may occur which may or may not affect the results of this assay. There is no data indicating whether these alleles are associated with SJS/TEN. If results obtained do not match the clinical findings, additional testing should be considered.</p> <p>Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.</p>			MCR
HLA-B 1502 Reviewed by		LAURA TRAIN			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
-----	---	---------------

Patient Name TESTINGRNV,ATLAS REPORTS HLA15	Collection Date and Time 06/27/2013 06:00	Report Status Final
Page 1 of 1		** End of Report **

* Report times for Mayo performed tests are CST/CDT