

REPORT DATE 01/06/12  
 REPORT DOCTOR ATT

**HAMILTON REGIONAL LABORATORY MEDICINE PROGRAM**  
 - MCMASTER MEDICAL CENTRE CAMPUS -  
 1200 Main Street West Hamilton, Ontario, L8N 3Z5  
 (905) 521-2100 ext. 75022

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Referral report for Attending,Physician			
Patient's Name: MDU,OUTPATIENT Account Number: MC000037/12	DOB: 17/04/75 Location: MO-MDU	Age: 37 Patient's Phone: 905-111-1111	Sex: F
Specimen Report Status: COMPLETE Specimen: 0106:HS00004R Collected: 01/06/12 - 1401 Received: 01/06/12 - 1401			
Ordered: HBX SCREEN			
Test	Result	Flag	Reference
*** OTHER TESTS HAEMATOLOGY ***			
ERCS	3.58	L	3.8-5.8 x10 <sup>12</sup> /L
**HB**	101	L	115-165 g/L
**HCT**	0.311	L	0.370-0.470
MCV	86.9		82-99 fL
MCH	28.2		27-32 pg
MCHC	325		300-350 g/L
RDW	17.3	H	11.5-15.0 %
HB F	NOT DETECTED		< 2.0 %
HB A	62.4		0-98 %
HBA2	3.5	H	1.8-3.3 %
HB S	34.1	H	Not detected %
HB S SCREEN	POSITIVE		
HB H INCLUS BOD	NONE SEEN		
HPLC	A,S,A2		
INTERPRETATIONx	<p>The results are consistent with Hemoglobin S Trait and alpha thalassemia.</p> <p>The beta globin gene was analysed by PCR-ARMS. The results are consistent with Mdu,Outpatient being heterozygous for the Hb S mutation of codon 6 (GAG&gt;GTG) [HBB c.20A&gt;T]. The alpha globin gene cluster was analysed by PCR specific for the -a3.7/ deletional form of alpha thalassemia. The results are consistent with Mdu,Outpatient being heterozygous for the rightward single alpha globin gene deletion (-a3.7/aa).</p> <p>Reported by Dr John Waye PhD, ABMG, FACMG</p>		
REVIEWED BYx	<p>Dr. Madeleine Verhovsek, M.D.          Hamilton Regional Laboratory Medicine Program</p>		

\$ Symbol following a result indicates test was referred out - Address available upon request  
 > Symbol prefixing the test name indicates a new result for this reporting  
 Date fields on this report in the format DD/MM/YY

\*\*\* END OF REPORT \*\*\*