

LAB ALERT

Date: July 22, 2016

Histocompatibility (HLA) New System Implementation and Test Updates

Dear Regional Pathology Services Clients,

We are very excited to announce enhancements in our Histocompatibility laboratory in order to provide our clients with the most innovative technologies in the HLA field. We have implemented a new HLA-specific system named mTilda that will tremendously enhance HLA reports and streamline the ordering process for transplant patients. An example summary report is attached [HERE](#).

This new system will be implemented Monday, July 25 2016. We are confident that your facility will be extremely pleased with the new report formats. However, due to this system change new order sets have been created for the HLA testing that will replace the old orders.

We ask for your patience during this implementation process as delays in testing may occur. However, if you have a rush case please contact the HLA laboratory at 402-559-7630 so priority testing can be implemented.

I. Disease-Associated New Order Codes

Order Name	LIS code
Birdshot Chorioretinopathy (HLA-A*29:01 and A*29:02)	A2901
Carbamazepine A*31:01-European/B*15:02-Asian (indicate which antigen is needed)	A3101
Type 1 Autoimmune Hepatitis (HLA- DRB1*03 and DRB1*04)	AIHT1
Autoimmune Thyroid Disease (HLA-DRB1*03 and	AITD

DRB1*05)	
Anklyosing Spondylitis B*27	B27DNA
Abacavir Hypersensitivity (HLA-B*57:01)	B5701
Allopurinol Hypersensitivity (HLA-B*58:01)	B5801
Behcet's (HLA-B*51)	BEHCET
Celiac Disease DQ2, DQ8	CDQDNA
Narcolepsy DQB1*06:02	DQ6DNA
Vogt Koyanagi Harada Syndrome (HLA-DRB1*04:05)	DR0405
HLA Disease Association (genetic order- indicate antigen/allele association and disease)	HLADA
Myelodysplastic Syndrome (HLA-DRB1*15)	MDS15
Psoriatic Arthritis (HLA-C*06)	
Rheumatoid Arthritis DRB1	RADR
Sjorgren Syndrome	SJOR
Systemic Lupus Erythematosus (HLA-DRB1*15:01 and DRB1*03:01)	SLEDA
Disease Assoc Pain Panel (Reg Lab use only, contains B27DNA,RADR, SLEDA)	DAPAIN

II. Bone-Marrow Transplant Program

Test Name	LIS code
Antibody SA Class I	HABCI
Antibody SA Class II	HABCII
CDC T and B cell crossmatch-Recipient	HLACDC
Chimerism, post-transplant	CHRPTX
DNA Frozen Cell Prep	FRDNA
Extract and Hold	HLAEH
HLA Chimerism Summary Report	CHSR
HLA HSC Flow Crossmatch Transplant Donor (Ordered on the donor)	FXMHD
HLA HSC Flow T and B Lymphocyte crossmatch-Recipient	FXMHR
HLA HSC Haplotype Donors Summary	HHAPS
HLA HSC Recipient Donors Summary	HRECS
HLA HSC Verification Type - Recipient	HSCVR
HLA Type HSC Recipient - High Resolution	HRHRT
HLA Type HSC Related Donor- initial type Class II	RHRSII
HLA Type HSC Related Donor initial type Class I	HRDNS
HLA Type HSC Related Donor Verification Type - High Resolution	HRHRVT
HLA Type HSC Unrelated Donor (*ordered on recipient)	HURDNT

Recipient Orders:

Test Name	LIS code
HLA Type HSC Recipient - High Resolution	HRHRT
HLA HSC Verification Type - Recipient	HSCVR

Antibody SA Class I <ul style="list-style-type: none"> • Single antigen testing for platelet support and/or to aid in donor selection 	HABCI
Antibody SA Class II <ul style="list-style-type: none"> • Single antigen testing to aid in donor selection 	HABCII
HLA HSC Flow T and B Lymphocyte crossmatch-Recipient <ul style="list-style-type: none"> • Flow T and B cell crossmatch • Auto crossmatch if needed • REQUIRE order questions- donor name and relationship 	FXMHR
CDC T and B cell crossmatch-Recipient <ul style="list-style-type: none"> • CDC T and B cell crossmatch • Auto crossmatch if needed • REQUIRE order questions- donor name and relationship 	HLACDC
DNA Frozen Cell Prep <ul style="list-style-type: none"> • Pre transplant sample for future post-transplant testing • REQUIRE order questions- donor name and relationship 	FRDNA
Chimerism, post-transplant <ul style="list-style-type: none"> • Indicate in order CD3 (T cell) and/or CD33 (Myeloid) testing • REQUIRE order questions- donor name and relationship 	CHRPTX

Donor Orders:

Test Name	LIS code
HLA Type HSC Related Donor initial type Class I <ul style="list-style-type: none"> • HLA typing for A, B, C locus • Order question- Recipient name and MRN • If a match at Class I, the HLA lab will order RHRSII for HLA Class II typing 	HRDNS
HLA Type HSC Related Donor Verification Type - High Resolution <ul style="list-style-type: none"> • HLA typing for A,B and DR on matched sibling • HLA typing for A,B, C and DR on haploidentical sibling 	HRHRVT
HLA HSC Flow Crossmatch Transplant Donor (Ordered on the donor) <ul style="list-style-type: none"> • Sample for Flow crossmatch • Order question- Recipient name and MRN 	FXMHD

HLA Type HSC Unrelated Donor (*<u>ordered on recipient</u>) <ul style="list-style-type: none"> • HLA typing-high resolution • REQUIRE order questions- donor identifier 	HURDNT
Crossmatch Transplant Donor <ul style="list-style-type: none"> • Sample for CDC crossmatch • Order question- Recipient name and MRN 	DTRANX
DNA Frozen Cell Prep <ul style="list-style-type: none"> • sample for future post-transplant testing • REQUIRE order questions- Recipient name 	FRDNA

Summary Report Orders:

Test Name	LIS code
HLA HSC Recipient Donors Summary <ul style="list-style-type: none"> • Recipient and Donor HLA typing • Notify HLA laboratory when order is placed 	HRECS

III. Solid Organ Transplant Programs

Test Name	LIS code
CDC T and B cell crossmatch-Recipient	HLACDC
Crossmatch Transplant Donor	DTRANX
HLA Antibody Testing	HLASC
HLA Antibody Special Request	ABSPEC
HLA Virtual Crossmatch	HVIRXM
Post-Transplant Donor Specific Antibodies	PTDSA
Solid organ HLA Flow T and B Lymphocyte crossmatch-Recipient	FXSO
Solid Organ Living Donor HLA Type	DLVTP
Solid Organ Recipient New Evaluation- HLA	NEWSO
Solid Organ Recipient Re-evaluation	RNEWSO

Recipient Orders:

Test Name	LIS code
Solid Organ Recipient New Evaluation- HLA <ul style="list-style-type: none"> • HLA typing (specific to the transplant program) • Auto crossmatch • Antibody testing (reflex to Single antigen and/or C1q testing) • Order questions about sensitization history information 	NEWSO
Solid Organ Recipient Re-evaluation <ul style="list-style-type: none"> • HLA typing (if needed) • Auto crossmatch • Antibody testing (reflex to Single antigen and/or C1q testing) • Order questions about sensitization history information 	RNEWSO

HLA Antibody Testing <ul style="list-style-type: none"> For routine/standing orders Reflex to Single antigen and/or C1q testing 	HLASC
HLA Antibody Special Request <ul style="list-style-type: none"> For second specimen to confirm HLA antibody status Out of cycle testing (desensitization therapy or recent blood/platelet transfusion) specify reason in order question 	ABSPEC
CDC T and B cell crossmatch-Recipient <ul style="list-style-type: none"> CDC T and B cell crossmatch Auto crossmatch if needed REQUIRE order questions- donor name and relationship 	HLACDC
Solid organ HLA Flow T and B Lymphocyte crossmatch-Recipient <ul style="list-style-type: none"> Flow T and B cell crossmatch Auto crossmatch if needed REQUIRE order questions- donor name and relationship 	FXSO

Donor Orders:

Test name	LIS code
Solid Organ Living Donor HLA Type <ul style="list-style-type: none"> HLA typing 	DLVTP
Crossmatch Transplant Donor <ul style="list-style-type: none"> Sample for crossmatch Order question- Recipient name and MRN 	DTRANX

Summary Report Orders:

Test name	LIS code
DSA Summary Report <ul style="list-style-type: none"> Summary of Donor specific antibody Notify HLA laboratory when order is placed 	DSASUM

HLA Virtual Crossmatch <ul style="list-style-type: none">• REQUIRE order questions- donor name and relationship• Notify HLA laboratory when order is placed	HVIRXM
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Result Reporting: All results will be faxed to clients and are also available in pdf format through our on-line results portal Atlas. To get access to on-line results or if you would prefer to receive results in a different manner please contact client services at **402-559-6420**

Interfaced Clients: Please replace all the old HLA orders with the new ones. Results will only be available in pdf format and cannot be transmitted across interfaces to your EMR if your EMR does not have the capability to accept pdf reports.

24/7 Client Services 1-800-334-0459