

HLA ASSESSMENT – LIVER RECIPIENT

Orderable - HLA Assessment-Liver Recipient

Turnaround Time: Samples are stored in the laboratory until testing is indicated (see Comments)

Alternate Name(s):

HLA Liver Workup

Specimen:

2 x 4 mL Lavender (EDTA) top Vacutainer tubes

1 x 6 mL Red top Vacutainer tube - No additives or separator gel

Collection Information:

HLA Recipient Assessments are performed only for patients in the London Transplant Program.

Reference Ranges:

cPRAs: 0-100%

HLA typing: see report

Interpretive Comments:

Anti-HLA antibodies indicate potential sensitization to potential organ donors and some blood products.

Comments:

Patients that are being assessed for placement on the LHSC liver waiting list should have this test ordered. Antibody testing and HLA typing will be performed only when the recipient is activated on the waiting list.

Critical Information Required:

Indicate if the patient is undergoing therapy with products or medication containing



Laboratory:
Transplant Lab




Requisition:
[TRANSPLANT
LABORATORY
REQUISITION](#)



Method of Analysis:
cPRA determinations are determined with the TGLN or CBS cPRA calculator and are based on specificities detected with solid phase bead technology using the Luminex® platform. HLA Class I and Class II typings are performed using molecular techniques (RSSO or SSP).



Test Schedule:
As required Monday to Friday except Stat holidays



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therapeutic antibodies such as Rituxan, Campath, Eculizumab, IVIG, OKT3, ALG, etc. as these may interfere with the results.

Indicate if the patient has had any sensitizing events such as blood transfusions, previous transplants, pregnancies etc. as these could influence the interpretation of the results.

Also indicate if the patient is undergoing a change in immunosuppression regime or is being treated by plasma exchange since these actions may explain fluctuations in results.

Storage and Shipment:

Samples drawn @ LHSC are delivered to the Transplant Laboratory at room temperature.

Samples for **Antibody Testing** (1 red top) drawn outside of LHSC must be spun and the serum removed and frozen. Ship on dry ice if shipping requires >24 hours. Ship frozen on freezer packs if the sample will be received in < 24 hours.

Samples for **HLA Typing** (2 Lavender tops) drawn outside of LHSC must be shipped at room temperature

Extracted DNA samples and sera will be stored in the laboratory, should further testing be required.