

HLA PRE-OP RECIPIENT

Orderable - HLA Pre-op Recipient

Turnaround Time: 1-3 days

STAT: Same day if blood is received in the laboratory before 0900

Specimen:

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

Collection Information:

Draw pre-dialysis (if applicable) and by venipuncture to avoid contamination with anticoagulants.

Drawn upon pre-op admission to LHSC in preparation for transplant

Reference Ranges:

cPRAs: 0-100% (HLA Antibody Testing)

DSA detected or not detected

Interpretive Comments:

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

Antibodies directed against donor HLA antigens may predict a risk of rejection

Comments:

Pre-op patients that are being prepared for transplant at LHSC (Kidney, Kidney/Pancreas, Pancreas, Liver/Kidney, or Heart) should have this test ordered.

Liver patients: see "HLA Pre-op Liver"

The sample may be used for cPRA, crossmatching, DSA testing or it may be stored for future testing as outlined in the current program-specific policies.



Laboratory:
Transplant Lab



Requisition:
[TRANSPLANT
LABORATORY
REQUISITION](#)



Method of Analysis:
cPRA determinations are obtained by using the TGLN or CBS cPRA calculator and are based on specificities detected with solid phase bead technology using the Luminex® platform.



Test Schedule:
This sample may be used in the prospective/retrospective flow crossmatch and updated SAB testing may be performed.

All samples will be archived for possible testing at a later date.

A graphic consisting of a large dark blue circle with a smaller light blue circle inside it. The text 'HLA PRE-OP RECIPIENT' is written in white, uppercase letters within the light blue circle.

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Critical Information Required:

Indicate if the patient is undergoing therapy with products or medication containing 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 at LHSC are delivered to the Transplant Laboratory at room temperature.

Pre-op serum samples will be stored in the laboratory, should further testing be required.