

HLA DONOR  
SPECIFIC  
ANTIBODY  
(DSA)

## Orderable - HLA DSA IgG:HLA Donor Specific

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.

### Reference Ranges:

DSA detected or not detected

### Interpretive Comments:

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

### Comments:

This test should only be ordered when following a patient in a London transplant program.

Contact the Transplant Laboratory to discuss other situations. (519-663-3320)

### Critical Information Required:

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,



**Laboratory:**  
Transplant Lab




**Requisition:**  
[TRANSPLANT  
LABORATORY  
REQUISITION](#)



**Method of Analysis:**  
Solid bead technology  
using the Luminex®  
platform



**Test Schedule:**  
As required Monday to  
Friday except Stat  
holidays

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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.

DSA analysis requires knowledge of the HLA typing of the donor or prospective donor of interest. Patients who were not transplanted in the London program will need to have this information forwarded to this laboratory.

### Storage and Shipment:

Samples drawn at 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.