

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

A graphic consisting of a large dark blue circle with a smaller light blue circle inside it. The text 'HLA DONOR SPECIFIC ANTIBODY (DSA)' is written in white capital letters inside the light blue circle.

HLA DONOR SPECIFIC ANTIBODY (DSA)

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.