

HLA BONE  
MARROW/  
STEM CELL  
HISTOCOMPATIBILITY -  
RECIPIENT

## Orderable - HLA BM/SC Recipient Case

Turnaround Time: 14 days

STAT: 2-3 days if blood is received in the laboratory before 0900

### Alternate Name(s):

Bone Marrow/Stem Cell recipient initial HLA Typing

### Specimen:

Adult	Pediatric
4 x 4 mL Lavender (EDTA) top Vacutainer tubes and 1 x 6 mL Red top Vacutainer tube - No additives or separator gel	<1 year: 2 mL EDTA + 2 mL clotted 1-10 years: 2 mL EDTA + 6 mL clotted 10-18 years: 4 mL EDTA + 6 mL clotted
Note: Increase collection volumes if leukocyte count is low, smaller volumes apply for paediatric patients.	Contact the laboratory if these volumes are not possible: 519-663-3320

#### NOTE:

Chemotherapy and some drugs may interfere with WBC number and/or morphology. Samples should be drawn prior to treatment whenever possible. Also, inform the laboratory if the patient has been transfused with cellular blood products within the last month.

### Collection Information:

BM/SC transplant workups are coordinated by the Bone Marrow Transplant Coordinator who can be contacted via the LHSC switchboard (519-658-8500)

Testing is only performed for patients involved in the London Transplant Program. Unrelated marrow / stem cell donors are not normally tested in this laboratory. Please contact the laboratory (519-663-3320) if other situations apply to your patient.



**Laboratory:**  
Transplant Lab




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



**Method of Analysis:**  
PCR-Direct Sequencing (NGS) will be used to provide high resolution typing. Where NGS is unavailable, PCR-SSO and SSP methods may also be used.



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



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### Reference Ranges:

See report

### Storage and Shipment:

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

Samples for HLA Typing (4 Lavender tops) drawn outside of LHSC must be shipped at room temperature and arrive within 72 hrs.

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