

HLA BONE  
MARROW/  
STEM CELL  
HISTOCOMPATIBILITY  
DONOR

## Orderable - HLA BM/SC Donor Case

Turnaround Time: 14 days

STAT: 1-3 days if blood is received in the laboratory before 0900

### Alternate Name(s):

Bone Marrow/Stem Cell Donor initial HLA Typing

### Specimen:

Adult	Pediatric
2 x 4 mL Lavender (EDTA) top Vacutainer tubes	<1 year: 2 mL EDTA 1-10 years: 2 mL EDTA 10-18 years: 4 mL EDTA
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



**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

### 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).

Potential donor testing is usually restricted to close relatives. Contact the laboratory or the BM/SC coordinators for details.


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.

### Reference Ranges:

See report

### Critical Information Required:

The Recipient ID (MRN#) and relationship to the recipient is required information.



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### Storage and Shipment:

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

Samples for **HLA Typing** (2 Lavender tops) drawn outside of LHSC must be shipped at room temperature and arrive within 72 hrs.

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