

# HLA TYPING REQUISITION BLOOD SAMPLE



**UHN** Canada's  
Hospital

## SickKids Requisition – Bone Marrow Transplant

## Regional Histocompatibility Lab

UHN-HLA Laboratory

200 Elizabeth Street, 11E-444

Toronto, Ontario M5G 2C4

416.340.4995 (For physician use only) Fax 416.340.3133

Samples are accepted Monday to Friday 9 am-5pm.

For turn-around times, please refer to Transplant Service Agreement

Name on sample :

MRN:

DOB :

### Sample Information

Draw Date:

Draw Time:

Draw ID:

**Blood requirements:** 3-5 ml ACD blood - ship between 4 - 24°C

**Please complete RECIPIENT OR RELATED DONOR section below, as appropriate.**

☐ **RECIPIENT** Diagnosis \_\_\_\_\_ Ordering Physician: \_\_\_\_\_

### CHOOSE ONE:

☐ **Standard Transplant Workup.** Please send **BOTH** blood and buccal samples to the lab simultaneously (2 requisitions).  
 -High resolution typing by NGS for one sample (A B C DRB1 DQB1 DRB3/4/5 DQA1 DQB1 DPA1 DPB1 loci).  
 -Intermediate resolution typing by rSSO at HLA-A, B, DRB1 for other sample.  
 -If only one sample is received and there is no external typing on record in the lab, sample will be typed by NGS.

☐ **Urgent Transplant Workup** Please send **BOTH** blood and buccal samples to the lab simultaneously (2 requisitions).  
 -Select only when an urgent HSCT is indicated. HLA typing will be done as described for Standard Transplant Workup but samples will be given priority and placed on the next run. Contact **BOTH** an HLA Lab Director and an HLA search coordinator to discuss timelines and/or alternative HLA typing algorithms, if needed.

☐ **Confirmatory typing** Select when previous HLA typing is on record in the HLA Lab. NGS typing will be done if sequence-based typing (NGS, Sanger, SBT) has NOT been done previously. Otherwise, sample will be typed by rSSO at HLA-A, B and DRB1.

☐ **PRA Testing** For HLA Antibodies only. Send one 5 mL red top, room temperature

### ☐ RELATED DONOR:

Recipient Name: \_\_\_\_\_ HSC MRN: \_\_\_\_\_

Relationship of Donor to the Recipient: \_\_\_\_\_

☐ Check here if donor is for a PMH patient.

### CHOOSE ONE:

☐ **Standard Transplant Workup.** Please send BOTH blood and buccal samples to the lab simultaneously (2 requisitions).  
 -Intermediate resolution typing by rSSO at HLA-A, B, DRB1 for one sample.  
 -DNA extraction and storage only for the other sample. NGS add-on request may be sent by program later.  
 -If only one sample is received and no external typing is on record in the lab, sample will be typed by rSSO at HLA-A, B and DRB1.

☐ **Urgent Transplant Workup** Please send BOTH blood and buccal samples to the lab simultaneously (2 requisitions).  
 -Select only when an urgent HSCT is indicated. HLA typing will be done as described for Standard Transplant Workup but samples will be given priority and placed on the next run. Contact **BOTH** an HLA Lab Director and HLA search coordinator to discuss timelines and/or alternative HLA typing algorithms, if needed.

☐ **Confirmatory typing** Select when previous HLA typing is on record in the HLA Lab. Sample will be typed by rSSO at t HLA-A, B and DRB1.

Lab Acc. # \_\_\_\_\_

Ver 2.0

8 JULY 2025