

HISTOCOMPATIBILITY TEST REQUEST

See attached information regarding HLA testing order, specimen requirements, methodologies, address, contacts, etc.

SEPARATE FORM MUST BE USED FOR EACH INDIVIDUAL

PATIENT: Last Name _____ First Name _____

Consent obtained for DNA based testing (for hospital use only)

For Lab use only

Diagnosis: _____ DOB: _____ Gender: _____ Race/Ethnicity: _____

Hospital: _____

Physician: _____ Phone: _____ Fax: _____

E-mail: _____

Date of sample collection: ____/____/____ Date of last transfusion: ____/____/____

Indicate any additional information that may affect the HLA test results: _____

POTENTIAL DONOR:

Last Name _____ First Name _____

DOB: _____ Relationship: _____ Race/Ethnicity: _____

Consent obtained for DNA based testing (for hospital use only)

For Lab use only

Hospital: _____

Physician: _____ Phone: _____ Fax: _____

E-mail: _____

Date of sample collection: ____/____/____

HISTOCOMPATIBILITY TEST REQUEST

PLEASE CHECK TESTS TO BE PERFORMED

MOLECULAR (DNA) TYPING

Low/Intermediate Resolution Typing:

- HLA-A HLA-B HLA-C HLA-DRB1

High Resolution Typing:

- HLA-A HLA-B HLA-C HLA-DRB1 HLA-DQB1 HLA-DPB1

Platelet Transfusion:

- HLA-A, and -B Low/Intermediate Resolution Typing

Panels for Transplant Workup:

- Patient (HLA-A, -B, -C, -DRB1 and -DQB1 High Resolution Typing)
- HLA-DPB1 High Resolution Typing
- Related Donor (HLA-A, and -B Low/Intermediate Resolution Typing)
- If initial typing matches perform High Resolution Typing for HLA Class I (HLA-A, -B and -C) and HLA Class II (HLA-DRB1 and -DQB1)
 - If initial typing is haploidentical perform High Resolution Typing for HLA Class I (HLA-A, -B and -C) and HLA Class II (HLA-DRB1 and -DQB1)
 - HLA-DPB1 High Resolution Typing
- Unrelated Donor (HLA-A, -B and -C Low/Intermediate Resolution Typing)
- If initial typing matches perform High Resolution Typing for HLA Class I (HLA-A, -B and -C) and HLA Class II (HLA-DRB1 and -DQB1)
 - HLA-DPB1 High Resolution Typing
- Verification Typing (HLA-A, -B, -C Low/Intermediate Resolution and HLA-DRB1 High Resolution)
- Verification Typing (HLA-A, -B, -C and -DRB1 High Resolution)
- OTHER: _____

Turnaround Time:

- Routine (5-10 days)
- STAT (Results required no later than) Date: _____

HISTOCOMPATIBILITY TEST REQUEST

MOLECULAR (DNA) HLA TYPING GUIDELINES

HLA TESTS		METHODOLOGIES	SPECIMEN REQUIREMENTS
HIGH RESOLUTION	HLA – A HLA – B HLA – C HLA – DRB1 HLA – DQB1 HLA – DPB1	Sequence Based Typing (SBT)	<p>Whole Blood: 3 to 5ml in EDTA or ACD (avoid Heparin) Ship in ambient temperature</p> <p>Buccal Swab: a minimal of 4 swabs Ship in ambient temperature</p>
LOW-INTERMEDIATE RESOLUTION	HLA – A HLA – B HLA – C HLA – DRB1 HLA – DQB1 HLA – DPB1	Sequence Based Typing (SBT) Sequence Specific Oligonucleotide (rSSO) (Luminex based) Sequence Specific Primers(SSP)	<p>Genomic DNA: minimum of 20µg Ship in ambient temperature</p> <p>Cord Blood unit contiguous segment: Must be shipped on dry ice</p> <p>Frozen Cells: Must be shipped on dry ice</p> <p>*Each specimen container must be individually labeled</p>

Buccal Swab Collection

See instructions attached to buccal swab collection kit.

HISTOCOMPATIBILITY TEST REQUEST

Histocompatibility (HLA) tests and additional services provided:

- The Fred H. Allen Laboratory of Immunogenetics is certified by Clinical Laboratory Improvement Amendments (CLIA) and New York State Department of Health (NYSDOH), accredited for Histocompatibility testing by the American Society for Histocompatibility and Immunogenetics (ASHI) and the European Federation for Immunogenetics (EFI)
- The Fred H. Allen Laboratory of Immunogenetics employs DNA based methodologies for the detection of Human Leukocyte Antigens (HLA). These include determination of allele assignments by Sequence Based Typing (SBT), reverse Sequence Specific Oligonucleotide (rSSO) and Sequence Specific Primers (SSP)
- The Fred H. Allen Laboratory of Immunogenetics has the qualification to perform HLA testing for the following:
 - Transplantation
 - Family and unrelated donors screening for transplant matches
 - Patient and potential transfusion donors screening for platelet matches
 - Cord Blood HLA typing
 - Verification of HLA typing for patient, donors and cord blood unit contiguous segment
 - Disease association
 - Vaccine studies
 - Clinical trials
- The Fred H. Allen Laboratory of Immunogenetics provides consultation in:
 - Human Immunogenetics, Histocompatibility and/or transplantation immunology
 - The appropriateness of the testing orders to meet the clinical need and interpretation of test results

■ Send specimens to the following address:

**New York Blood Center
Fred H. Allen Laboratory of Immunogenetics
45-01 Vernon Blvd.
Long Island City, NY 11101
Phone: 718-752-4717 Fax: 718-707-3770**

■ Key Contacts:

Carmelita Carrier, PhD
Director
718-752-4717
ccarrier@nybc.org

Mary Kuo
General Supervisor
718-752-4717
mkuo@nybc.org