

**New York Blood Center**  
**Laboratory of Immunohematology & Genomics**

45-01 Vernon Blvd, Long Island City, New York 11101 Phone: 718-752-4637  
 or 718-752-4771 / Fax: 718-752-4747 Email: molecular@nybloodcenter.org

**Request for DNA Analysis of Blood Groups**

- Red Cells
- Platelets
- Neutrophils

Routine     ASAP     Date Collected \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Month    Day    Year

Sample type     Whole blood     Amniocytes     Other \_\_\_\_\_

**Demographic Information**

Name: Last \_\_\_\_\_ First \_\_\_\_\_ Middle \_\_\_\_\_

Identification Number \_\_\_\_\_ Gender: Male  Female

Date of Birth \_\_\_\_\_ Diagnosis \_\_\_\_\_ NYBC Ref # \_\_\_\_\_

Ethnicity  
(check all that apply)    African-American     Asian     Hispanic     Native American     Pacific Islander     White     Other \_\_\_\_\_

Antibody ID: \_\_\_\_\_ Antigen Typing: \_\_\_\_\_

**Include a copy of the laboratory workup.**

**Clinical Information**

Transfusion history: Number \_\_\_\_\_ Date(s) \_\_\_\_\_

OB history \_\_\_\_\_

For HDFN workup: Is the pregnancy a result of non-spousal insemination?    Yes     No

Received a stem cell transplant?    Yes     No     When \_\_\_\_\_    Comments \_\_\_\_\_

**Testing Requested**    SAMPLE REQUIREMENTS ON REVERSE SIDE

**Red Cell:**

ABO System     Kidd: Jk<sup>a</sup>, Jk<sup>b</sup>     Kell: K, k     Other \_\_\_\_\_

MNS: S, s, U<sup>var</sup>, U-     Dombrock: Do<sup>a</sup>, Do<sup>b</sup>     Kell: Js<sup>a</sup>, Js<sup>b</sup>

MNS: M, N     Duffy: Fy<sup>a</sup>, Fy<sup>b</sup>, Fy<sup>x</sup>, GATA     Kell: Kp<sup>a</sup>, Kp<sup>b</sup>

HEA Panel (includes C/c/E/e, V/V/S, K/k, Js<sup>a/b</sup>, Kp<sup>a/b</sup>, Jk<sup>a/b</sup>, Fy<sup>a/b/x</sup>/GATA, M/N/S/s U<sup>var</sup>U-, Do<sup>a/b</sup>, Hy, Jo<sup>a</sup>, Lu<sup>a/b</sup>, Di<sup>a/b</sup>, Co<sup>a/b</sup>, LW<sup>a/b</sup>, Sc1/2)

**RH System:**

Common alleles     D variant (partial or weak)     C variant     RH genotype  
 D     C/c     E/e     RHD zygosity     e variant

**Platelet:**

HPA-1a/1b (PL<sup>A1/A2</sup>)     HPA-2a/2b (Ko<sup>b/a</sup>)     HPA-3a/3b (Bak<sup>a/b</sup>)     HPA-4a/4b (Pen<sup>a/b</sup>)  
 HPA-5a/5b (Br<sup>b/a</sup>)     HPA-15a/15b (Gov<sup>b/a</sup>)     HPA Panel (HPA 1 through 9, 11, and 15)

**Neutrophil:**

HNA-3a/3b  
 Other \_\_\_\_\_

**Hospital/Institution Contact Information**

Ordering Physician \_\_\_\_\_ Contact Person \_\_\_\_\_

Institution Name \_\_\_\_\_ Telephone (\_\_\_\_) \_\_\_\_\_

Institution Address \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ E-mail \_\_\_\_\_

**Enclose with blood specimens and panel sheets**

## **Samples Requirements and Shipping Information**

### **Sample requirements:**

Whole blood: 5-10 ml EDTA (lavender top) or ACD type A (yellow top) whole blood tube

Amniocytes: 1-5 ml amniotic fluid or 1-5 x 10<sup>6</sup> cultured amniocytes

Other sources (buccal swabs, cell lines, tissues) can be tested.  
Please contact the laboratory for further information.

### **Restrictions:**

Lithium heparin sample tubes are not acceptable for testing.

Leukoreduced samples do not yield acceptable DNA quantities for testing  
(contact Laboratory of Immunohematology & Genomics).

## **Sample labels should contain:**

1. Patient/donor name
  2. Identifying number (Medical Record #)
  3. Date sample collected
  4. Phlebotomist identity (initials)
- Insufficiently labeled samples will not be tested.

## **Procedure for sending samples:**

1. Fill out the Request for DNA Analysis form and provide the necessary information.
2. Notify the Laboratory of Immunohematology & Genomics by telephoning before sending samples.
3. Pack the sample in a secured protective manner to avoid breakage.
4. Ship all samples at room temperature or refrigerated using ice packs or wet ice, sealed in plastic bags.

## **Delivery instructions:**

Arrange transportation either with your own courier or local NYBC distribution department for next day delivery.  
Deliver ALL samples to the 45th Road employee entrance of the 45-01 Vernon Boulevard facility.

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