



# Brampton National Platelet Immunology Reference Laboratory (NPIRL) Platelet / HLA Testing Services

## HLA Disease Association – HLA-B27, HLA-A, HLA-B, HLA-DR, HLA-DQ Pharmacogenomic Testing – HLA-B\*57:01 NPIRL\_PL-01

### TEST DESCRIPTION

#### **Autoimmune Association – HLA-B27, HLA-A, HLA-B, HLA-DR, HLA-DQ**

Under normal conditions the immune system is able to tolerate cells carrying “self” HLA antigens. However, in some cases specific inherited HLA antigens have been associated with a variety of autoimmune diseases. While not diagnostic in nature, the presence or absence of specific HLA antigens, in conjunction with clinical findings, aid the physician in making a diagnosis.

#### **Pharmacogenomic Testing – HLA-B\*57:01**

This molecular test for the HLA-B\*57:01 allele assists physicians in identifying patients who are at risk of developing a reaction to Abacavir. The drug Abacavir is used as a therapy for treating HIV infection and is linked to an adverse effect which can be severe and potentially life threatening. Abacavir-induced hypersensitivity reaction has been associated with the presence of the HLA-B\*57:01 allele.

### SPECIMEN AND REQUISITION REQUIREMENTS

#### **Specimen(s)**

- One (1) full 5-7 ml EDTA (lavender) tube mixed thoroughly by gentle agitation.
- Label specimen with the required minimum information: patient’s last name, first name, PHN/ (PHIN) or hospital number or other unique identifier, date of collection, and facility name.

#### **Complete Requisition (must include)**

- Patient’s last name, first name, date of birth and PHN/(PHIN) or hospital number or other unique identifier
- Facility Name
- Physician/Health Care Provider name
- Phlebotomist name, classification, initial
- Date/time of collection
- Name, facility, address, fax and contact number of individual to whom the report will be sent

#### **Requisition(s)**

- *HLA Disease Association - Platelet Immunology Requisition*

### PRE-SHIPING STORAGE

Recommended Refrigeration 1-10°C.  
DO NOT open EDTA samples.

### SHIPPING INSTRUCTIONS

Submit samples as soon as possible after collection.

#### **Shipping**

- Ship in a container with an ice pack (gel pack stored at 2 - 8° C may be used for refrigerated samples).
- Select shipping method for container to arrive at testing site within 24 hours.
- Fax shipping information (way bill #) to 905-494-8149. Indicate the patient name and type of investigation on the fax.



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Pharmacogenomic Testing – HLA-B\*57:01  
NPIRL\_PL-01**

## **SEND TO**

Canadian Blood Services  
Brampton Centre  
National Platelet Immunology Reference Laboratory (NPIRL)  
100 Parkshore Drive  
Brampton, ON L6T 5M1  
Tel: 905-494-5257  
Fax: 905-494-8149