



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

## TRALI Investigation NPIRL\_PL-07

### TEST DESCRIPTION

TRALI is a syndrome characterized by the development of acute respiratory distress with hypoxemia during, or up to 6 hours, after completion of a blood transfusion. TRALI is a clinical diagnosis based on patient symptoms that has been associated with all types of blood products. Investigation includes HLA antibody testing on both patient and donors implicated in the reaction. In addition HLA antigen genotyping is performed.

### SPECIMEN AND REQUISITION REQUIREMENTS

#### Specimen(s)

- Three (3) full 5-7 ml EDTA (lavender) tubes mixed thoroughly by gentle agitation and one (1) 10mL SST serum tube inverted 5-10 times to activate clotting.
- Label specimen(s) with the required minimum information: patient's last name, first name, PHN/ (PHIN) or hospital name 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

**Note:** Complete all sections of **TRALI Patient Data Form\_NPIRL** with required information and submit a photocopy of completed form with samples. Submit original form to the Medical Office of your local / supporting Canadian Blood Services Laboratory.

Patient samples may be submitted directly to the Brampton Platelet Immunology Reference Laboratory or your local / supporting Canadian Blood Services Laboratory.

**Note:** For Saskatchewan and NIRL Ottawa laboratories please direct any samples and correspondence directly to the Brampton Platelet Immunology Reference Laboratory.

#### Requisition(s)

- *Platelet Immunology Requisition\_NPIR*
- *TRALI Patient Data Form\_NPIRL*

### PRE-SHIPING STORAGE

- If unable to ship within 24 hours of collection store refrigerated at 1-10° C. Refrigerated samples must arrive within 48 hours of collection.
- If unable to ship within 48 hours of collection; separate and freeze serum sample only. Aliquots must be labeled with the same minimum required information as the original collection tube and the date the aliquot was prepared.
- Do not open EDTA Samples



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### **SHIPPING INSTRUCTIONS**

- Contact the National Platelet Immunology Reference Laboratory (NPIRL) or your local / supporting Canadian Blood Services prior to shipping samples. Provide way bill number, patient name and type of investigation.

#### **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.

### **SEND TO NATIONAL PLATELET IMMUNOLOGY REFERENCE LABORATORY (NPIRL)**

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

### **OR YOUR LOCAL / SUPPORTING CANADIAN BLOOD SERVICES LABORATORY**

#### **VANCOUVER, BC DIAGNOSTIC SERVICES**

Canadian Blood Services  
Vancouver Centre / Diagnostic Services Laboratory  
4750 Oak Street / Vancouver, BC V6H 2N9  
604-707-3434 (Phone) / 604-874-6582 (Fax)

#### **EDMONTON, AB DIAGNOSTIC SERVICES**

Canadian Blood Services  
Edmonton Centre / Diagnostic Services Laboratory  
8249 114 St NW / Edmonton, AB T6G 2R8  
780-431-8765 (Phone) / 780-431-8747 (Fax)

#### **SASKATCHEWAN DIAGNOSTIC SERVICES**

**Send to National Platelet Immunology Reference  
Laboratory**

Brampton Centre  
National Platelet Immunology Reference Laboratory  
(NPIRL)  
100 Parkshore Drive  
Brampton, ON L6T 5M1  
905-494-5257 (Phone) / 905-494-8149 (Fax)

#### **WINNIPEG, MB DIAGNOSTIC SERVICES**

Canadian Blood Services  
Winnipeg Centre / Diagnostic Services Laboratory  
777 William Ave. / Winnipeg, MB R3E 3R4  
204-789-1086 (Phone) / 204-779-8593 (Fax)

#### **BRAMPTON, ON NPIRL and DIAGNOSTIC SERVICES**

Canadian Blood Services  
National Immunohematology Reference Laboratory /  
Brampton Centre / Diagnostic Services Laboratory  
100 Parkshore Drive. / Brampton, ON, L6T 5M1  
905-494-5295 (Phone) / 905-494-8132 (Fax)