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, 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 Winnipeg 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 Winnipeg Platelet Immunology Reference Laboratory.

Requisition(s)
- Platelet Immunology Requisition_NPIRL
- TRALI Patient Data Form_NPIRL

PRE-SHIPPING 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
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
Winnipeg Centre
National Platelet Immunology Reference Laboratory (NPIRL)
777 William Ave.
Winnipeg, MB R3E 3R4
Tel: 204-789-1152
Fax: 204-789-1186

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
Winnipeg Centre / National Platelet Immunology Reference Laboratory
777 William Ave. / Winnipeg, MB R3E 3R4
204-789-1152 (Phone) / 204-789-1186 (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 NIRL 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)