RBC Genotyping Testing for RHCE and Extended Blood Groups

MB_REF-07

TEST DESCRIPTION

This is a PCR-based assay for the identification of multiple alleles encoding human erythrocyte antigens in genomic DNA. This test is used to type allelic variants that determine the patient's predicted expression of specific antigens in the following blood groups: Rh, Kell, Kidd, Duffy, MNS, Diego, Dombrock, Colton, Cartwright and Lutheran. The test is an alternative to serological testing in cases of discordant antigen phenotyping results, autoimmune hemolytic anemia, chronically transfused patients with previously identified antibodies, and patients with transfusion dependent diseases such as sickle cell disease and thalassemia.

SPECIMEN AND REQUISITION REQUIREMENTS

**Specimen(s):**
Two (2) full 5-7 ml EDTA (lavender) tube mixed thoroughly by gentle agitation. Within 14 days of collection.

Label specimen with the required minimum information: patient's last name, first name, PHIN or hospital number or other unique identifier, date of collection, facility name, and phlebotomist initials.

**Complete Requisition** (must include):
- Patient's last name, first name, date of birth and PHIN or hospital number or other unique identifier
- Facility Name
- Date of collection
- Name, facility, address, contact number of individual to whom the report will be sent

Requisition
- Requisition for Blood Group Genotyping (Patient) F800019_NIRL

PRE-SHIPPING STORAGE

Recommended Refrigeration 1-10°C.

SHIPPING INSTRUCTIONS

Submit samples as soon as possible after collection.

**Shipping**
Ship in a container that will maintain temperature at 4°C to 25°C. Select shipping method for container to arrive at testing site within 48 hours.

**Note:** Protect from freezing.

SEND TO ...

Canadian Blood Services
Winnipeg Centre
Diagnostic Services Crossmatch Laboratory
777 William Ave.
Winnipeg, MB R3E 3R4

204-789-1086 (Phone) / 204-779-8593 (Fax)