
Lab Dept: Transfusion Service

Test Name: Duffy Antigen Typing

General Information

Lab Order Codes: Duffy

Synonyms: Duffy antigen typing; Fya typing; Fyb Antigen Phenotyping; Benign Ethnic Neutropenia

CPT Codes: 86905 X 2-Fya and Fyb

Test Includes: Antigen typing for Fya and Fyb

Logistics

Lab Testing Sections: Duffy Antigen typing is appropriate for testing for Benign Ethnic Neutropenia (BEN). Antigen typing is appropriate for testing a patient's pre-transfusion red blood cells to confirm the lack the corresponding antigen when an alloantibody has been identified

Referred to: Transfusion Service

Phone Numbers: MIN Lab: 612-813-6824

Test Availability: Monday-Friday

Turnaround Time: 1 to 2 days

Special Instructions: Testing cannot be performed if the patient was transfused within the last 3 months

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube Alternate: Red top tubes will be accepted but will delay specimen processing to allow for clotting. (SST tubes are Not acceptable.)

Draw Volume: 1.0 – 2 mL blood

Collection:	All specimens submitted to the Transfusion Service must be appropriately labeled at bedside with the time and date of collection, and the signature of the individual collecting the specimen. A completed order, either through the HIS or general requisition must accompany each specimen. It is not always necessary to collect a new sample prior to the provision of blood for patients. Consult with the Transfusions Service prior to collecting additional samples if status unknown.
Special Processing:	Lab Staff: Refrigerate specimen
Patient Preparation:	Refer to Collection of Patient Specimens for full details. The patient must be positively identified when the specimen is collected. The label on the blood specimen must correspond with the identification on the patient's Medical Record band (or ED ID) and on the physician/practitioner's orders. The specimen must be timed, dated, and signed by the phlebotomist at the bedside.
Sample Rejection:	Gross hemolysis, sample placed in a serum separator tube, specimen tube not properly labeled

Interpretive

Limitations:

Methodology: Hemagglutination

References: N/A