
Lab Dept: Flow and Immunology

Test Name: CD19/20 RITUXIMAB PANEL

General Information

Lab Order Codes: C1920

Synonyms: Flow for Rituximab, CD20 Depletion

CPT Codes: 86355 – B cells, total count
86359 – T cells, total count

Test Includes: CD3, CD19, and CD20 per cent and total count

Logistics

Test Indications: Monitoring the effectiveness of Rituximab therapy.

Lab Testing Sections: Flow Cytometry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: 3 times weekly, determined by volume. Transport collected specimen immediately to Flow Cytometry. Routine testing is not available on weekends or holidays. Therefore, specimens cannot be used if drawn the day before a 3 day weekend such as Memorial Day, Labor Day or major holiday that falls on a Monday or Friday.

Turnaround Time: 1 – 3 days

Special Instructions: See [Test Availablity](#)

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube

Draw Volume: 2 mL (Minimum: 0.5 mL in an EDTA microtainer tube) blood

Processed Volume: Same as Draw Volume

Collection: Routine venipuncture. Keep sample at room temperature and forward promptly to the laboratory.

Special Processing: Lab Staff: Do Not centrifuge, refrigerate or freeze sample. Deliver to Flow Cytometry.

Patient Preparation: None

Sample Rejection: Clotted specimens, hemolyzed specimens, specimens greater than 72 hours old. Specimens collected in the wrong tube. Frozen or refrigerated specimens. Mislabeled or unlabeled specimens.

Interpretive

Reference Range: Age dependant reference values will be provided with results.

Critical Values: N/A

Limitations: Poor specimens quality will adversely affect the test results.

The single platform is linear when the white blood count (WBC) of the specimen is between 0.2 k/uL and 29.7 k/uL, and the lymphocyte concentration is between 0.1 k/uL and 9.0 k/uL.

Methodology: Single platform 4 color direct immunofluorescence. Flow cytometric analysis based on CD45 gating strategy.

In cases where the WBC of the specimen exceeds the linearity limits of the single platform method, an alternative two platform method will be used.

References: MultiTEST™ IMK Kit package insert, Becton Dickinson Immunocytometry, December 2000