TEST CHANGE

Chimerism, Posttransplant, Sorted Cells (CD33+ Cells)

3005409, STRPOST-33

Specimen Requirements:	
Patient Preparation:	
Collect:	Lavender (EDTA), pink (K2EDTA), or yellow (ACD solution A or B). OR bone marrow in lavender (EDTA).
Specimen Preparation:	Transport 2 mL whole blood. (Min: 2 mL) OR 1 mL bone marrow (Min: 1 mL). Ship overnight. If cell sorting is required, specimens should be received within 24 hours of collection for optimal isolation of the requested cell line(s).
Transport Temperature:	Refrigerated. Also acceptable: Ambient.
Unacceptable Conditions:	Clotted or hemolyzed specimens.
Remarks:	Posttransplant genotypes will be compared to pretransplant recipient and donor genotypes. Therefore, donor and recipient specimens must be obtained and genotyped before the transplant event occurs. Please provide the results and date of the patient's most recent WBC and differential counts. When submitting bone marrow specimens for cell sorting, please provide information regarding the general cellularity of the patient's bone marrow. See Cell Isolation Request for Chimerism, Posttransplant, Sorted Cells.
Stability:	Ambient: 72 hours; Refrigerated: 72 hours; Frozen: Unacceptable
Methodology:	Polymerase Chain Reaction (PCR) / Fragment Analysis / Immunomagnetic Cell Separation
Note:	Type Donor: Donor cells only. Type Recipient: Recipient cells only. Mixed: Donor and recipient cells present. Semiquantitative results of percentage of donor and recipient cells will be reported.
CPT Codes:	81268
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

Background Information: Chimerism, Posttransplant, Sorted Cells (CD33+ Cells)
Indication: Monitoring for bone marrow transplant patients; correlation with clinical status and consideration of the interval between bone marrow transplantation and testing is necessary for proper interpretation of results.
Methodology: PCR followed by capillary electrophoresis. Specimens are analyzed using 15 autosomal markers (D8S1179, D21S11, D7S820, CSF1PO, D3S1358, THO1, D13S317, D16S539, D2S1338, D19S433, vWa, TPOX, D18S51, D5S818, and FGA) and one gender marker (amelogenin).
Limit of Detection: 2 percent of minor cell population.

Limitations: Diagnostic errors can occur due to rare sequence variations.

Reference Interval:

HOTLINE NOTE: There is a prompt change associated with this test. Refer to the Hotline Test Mix for interface build information.