

**TEST CHANGE**

Chimerism, Donor

3005462, STR\_DONOR

**Specimen Requirements:****Patient Preparation:**

Collect: Lavender (EDTA), pink (K2EDTA), or yellow (ACD solution A or B) OR bone marrow in lavender (EDTA) OR buccal brushes from donor.

Specimen Preparation: Transport 2 mL whole blood (Min: 1 mL) OR 1 mL bone marrow (Min: 1 mL) OR 2 buccal brushes in a sterile, dry tube. (Min: 2 brushes)

Transport Temperature: Refrigerated. Also acceptable: Ambient.

**Unacceptable Conditions:**

Remarks: Posttransplant results will be compared to pretransplant recipient and donor genotypes, therefore, donor and recipient samples must be obtained and genotyped before the transplant event occurs.

Stability: Room temperature: 1 week; Refrigerated: 1 month; Frozen: Unacceptable

Methodology: Polymerase Chain Reaction (PCR) / Fragment Analysis

**Note:**

CPT Codes: See CPT codes under Chimerism, Recipient, Pretransplant (3005449)

New York DOH Approval Status: This test is New York DOH approved.

**Interpretive Data:**

Background Information: Chimerism, Donor

Indication: Monitoring for bone marrow transplant patients; 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, TH01, D13S317, D16S539, D2S1338, D19S433, vWa, TPOX, D18S51, D5S818 and FGA) and one gender marker (amelogenin).

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.**