HOTLINE: Effective August 15, 2022

New Test **3005462** **Chimerism, Donor** **STR_DONOR**

Additional Technical Information

Methodology: Polymerase Chain Reaction/Fragment Analysis
Performed: Sun-Sat
Reported: 5-9 days after receipt of corresponding Chimerism, Recipient, Pretransplant (3005449) specimen

Specimen Required: 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)
Storage/Transport Temperature: Refrigerated. Also acceptable: Ambient.
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 (collection to initiation of testing): Room temperature: 1 week; Refrigerated: 1 month; Frozen: Unacceptable

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, THO1, 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.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

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

New York DOH Approved.

HOTLINE NOTE: Refer to the Test Mix Addendum for interface build information.