



UR
MEDICINE

Labs

Bone Marrow Engraftment Monitoring/Chimerism: Assay Kit Change

Date: July 2nd, 2024

Effective Date: August 1st, 2024

The Molecular Diagnostic Laboratory will transition from the current Chimerism assay, which assesses up to 12 loci individually, to a multiplexed assay covering 16 loci. Five markers will remain consistent between the two assays. Consequently, patients under observation may have entirely new informative markers or a combination of new and previously used markers in their evaluations. We will continue to use a minimum of 3 informative markers for calculating recipient and donor percentages. Validation studies indicate high concordance in calculations, therefore there will not be a significant change in how the reports are interpreted. The assay's analytical sensitivity will experience a slight adjustment; "Trace" will be assigned to samples with positive recipient values below 2%, whereas the previous sensitivity threshold was 1%.

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