



ScisGo™ Chimerism Multi Donor Kits cat. no. CHIM-24S-MD

Chimerism testing of patients after HSCT to determine recipient/donor origin of nucleated hematopoietic cells.

Highlights

- All chromosomes sampled
- Next Generation Sensitivity, down to 0.1%
- Simple, PCR-only protocol
- Total DNA input as low as 0.5 ng (equivalent to ~ 100 cells)
- Up to 3 donors detectable
- Data analysis provides 95% confidence intervals and sensitivity levels.
- DNA to Data in 12 hours

Overview

ScisGo Chimerism MD Typing Kit (cat. no. CHIM-24S-MD) is designed for use on the Illumina MiSeq Sequencing by Synthesis (SBS) platform to perform chimerism testing (engraftment analysis) after allogeneic hematopoietic cell transplantation (HCT), routinely performed as a prognostic measure of engraftment and related clinical outcomes.

Our 4-reaction Chimerism assay employs simple to perform laboratory steps and takes advantage of Next Generation Sequencing (NGS) technology to advance testing into the next generation of sensitivity and accuracy. Our assay can be adjusted for capacity and sensitivity by varying the number of reactions used and samples analyzed. Turnaround times from DNA to data are comparable to other commonly used methodologies.

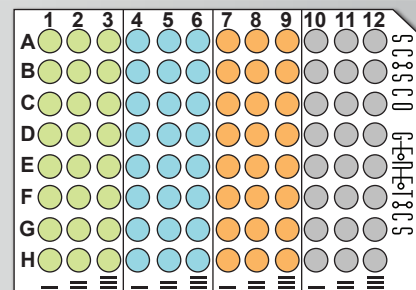
1. Stage 1 PCR

Add DNA and master mix to pre-plated amplicon primer mixes.

2. Stage 2 PCR

Add secondary master mix.

No plate transfer



3. Pool and Purify

Combine all reactions for each amp and column purify.



4. Quantify and Pool

Combine pools for sequencing.



5. NGS Sequencing



6. Analysis and Reporting

