



THE STANDARD FOR qPCR CHIMERISM ANALYSIS

Rapid, Two-step Chimerism Monitoring

Chimerism monitoring is particularly important for the follow-up of patients undergoing bone marrow transplantation. Early detection of transplant rejection or disease relapse is critical for the adjustment of a transplant recipient's treatment regime, graft survival and higher quality of life for patients.

Genotyping Test

In the first step, the DNAs that comprise a mixed DNA sample are analyzed using a QTRACE® Genotyping Plate, to identify all of the informative assays for the samples. An informative assay is an assay for a marker allele that is present (positive) in one individual genome and absent (negative) in the other genome.

Monitoring

In the monitoring test, one or more of the informative assays identified in the genotyping test is used to quantify the DNA of interest in an unknown sample relative to a reference sample. Any of the informative assays identified in the genotyping test can be used to perform a quantification test. The amount of the genome positive for the informative allele in the unknown sample is determined and the result is expressed as a percentage (ratio).

QTRACE® INDEL ASSAYS (CE IVD)



Rapid and Sensitive Solution

The workflow is easy and results are obtained within 2.5 hours. High sensitivity provides earlier detection of increasing mixed chimerism than STR analysis



Wide Coverage

The wide range of 80 INDEL Assays distributed across 21 chromosomes of the human genome facilitates the choice of informative assays



Intuitive Software

The most customizable qPCR chimerism software currently available on the market creates protocols, analyzes data, generates reports, provides longitudinal sample tracking and enables easy LIMS integration



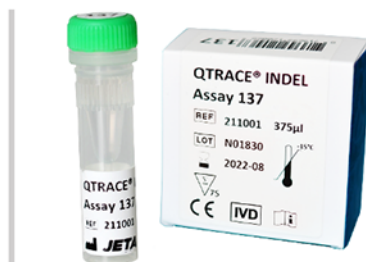
DigitalTRACE™ Assays for dPCR Chimerism Monitoring

A set of DigitalTRACE™ INDEL Assays is available for an exceptionally sensitive chimerism monitoring by digital PCR

RELIABLE ENGRAFTMENT MONITORING

QTRACE® Assays represent a rapid (results are obtained within 2.5 hours) and sensitive (the validated detection limit is 0.1% minor component of a genomic DNA mixture using 150 ng DNA input) solution for chimerism testing.

TRACE Analysis™ Software provides the most customizable qPCR chimerism software currently available on the market. The TRACE Analysis™ Software is ready to use with a wide range of qPCR instruments and allows users to analyze engraftment through an user-friendly interface and with many user-defined preferences available.



„Sensitive Solution, Unambiguous Data, Rapid Analysis”

THE QTRACE® CHIMERISM ANALYSIS SYSTEM



QTRACE® Genotyping

Pre-arrayed typing trays allow for an easy testing setup with the highest resolution against any competing qPCR-based chimerism tests available



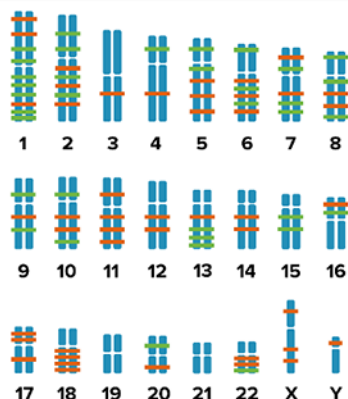
QTRACE® Monitoring

QTRACE® INDEL Monitoring Assays, QTRACE® RNaseP Reference Gene Assay and QTRACE® qPCR Master Mix provide accurate quantification of minor component DNA



TRACE Analysis™ Software

The TRACE Analysis™ Software guides the user through assay setup, performs data analysis, generates reports and stores the data collected for samples over time



THE QTRACE® Assay Targets

Green: Standard Panel; Orange: Extended Panel