

Mentype[®] DIPquant CE-IVD

SENSITIVE ANALYSIS FOR FAST CHIMERISM DIAGNOSTICS

EARLY RELAPSE DETECTION

The qPCR kit Mentype[®] **DIPquant** provides sensitivity down to detect a 0.05 % chimerism. Consequently, the kit is ideally suited for chimerism monitoring and an earlier detection of disease relapse could be possible (Figure 1).

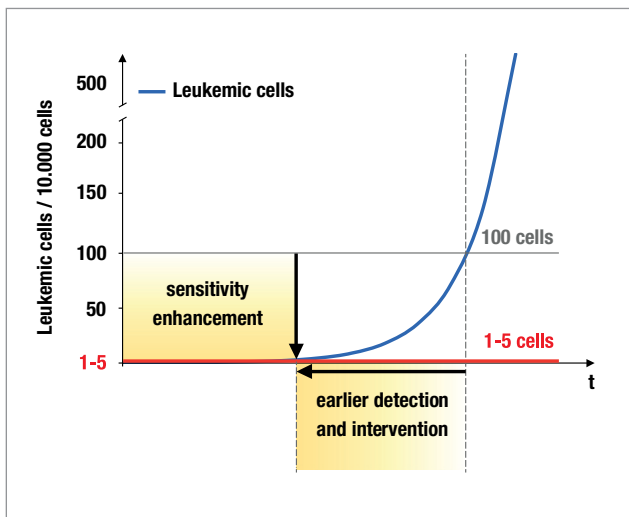


Figure 1: A higher level of sensitivity in chimerism diagnostics can lead to earlier relapse detection

STREAMLINED WORKFLOW

The fast and easy workflow of Mentype[®] **DIPquant** allows for fast engraftment monitoring. Starting with isolated genomic DNA, a result is obtained in < 2.5 h (Table 1). Thereby the analysis can be performed on a standard qPCR cyclor with FAM specific filter sets.

Table 1: Turn-around times for the steps of the Mentype[®] DIPquant analysis

Setup	qPCR run	Data analysis
Mentype [®] DIPquant		
0.25 h	1.75 h	0.25 h

FLEXIBLE SOLUTION FOR ALL CHIMERISM RATIOS

Prior to chimerism quantification with Mentype[®] **DIPquant**, the informative loci of the donor recipient combination needs to be identified. This process, known as genotyping, is performed with the Mentype[®] **DIPscreen** multiplex PCR kit with a semiquantitative characteristic. The combination of these kits allows a highly sensitive chimerism quantification in cases where the DNA input is not a limiting factor. If the DNA quantity is limited, the semiquantitative engraftment detection for wide chimeric ratios is possible. The combination of Mentype[®] **DIPscreen** and Mentype[®] **DIPquant** therefore covers all demands for routine chimerism diagnostics.