

Mentype[®] Chimera[®] CE-IVD

SIMPLE CHIMERISM ANALYSIS ACHIEVING HIGH THROUGHPUT

HIGH EFFICIENCY THROUGH AN EASY WORKFLOW

The comprehensible and time-saving workflow suits your daily routine and allows an efficient sample analysis. Same day results are obtained with just 30 minutes hands-on time. Due to the multiplex design of the assay, a high throughput analysis of clinical chimerism samples can be achieved.

HIGH DISCRIMINATORY POWER

The combination of highly polymorphic clinical markers and transplantation specific STRs provides a unique advantage to the conventional forensic STR kits (Table 1).

Table 1: STR markers and their heterozygosity used in the Mentype[®] Chimera[®] Kit

Marker	Heterozygosity	Percent donor/recipient without allelic overlap ⁽¹⁾
D2S1360	0.799	22.1 %
D3S1744	0.812	20.0 %
D4S2366	0.783	20.6 %
D5S2500	0.786	18.1 %
D6S474	0.735	not validated
D7S1517	0.865	24.9 %
D8S1132	0.869	23.1 %
D10S2325	0.885	24.1 %
D12S391	0.902	25.4 %
D18S51	0.879	27.7 %
D21S2055	0.770	not validated
SE33	0.951	45.1 %

1 C. Thiede et al., Evaluation of STR informativity for chimerism testing, Leukemia, vol. 18, no. 2, pp. 248-254, 2004.

ONE PRODUCT FOR ALL TYPES OF CHIMERISM

The diagnosis of the most relevant types of chimerism can be achieved with the Mentype[®] Chimera[®] kit (Table 2).

The assay was validated in a clinical study and is intended for use in *in vitro* diagnostics.

Table 2: Chimeric applications for Mentype[®] Chimera[®]

Chimerism type	Suitability of Mentype [®] Chimera [®]
Complete chimerism	+
Transient mixed chimerism	++
Stable mixed chimerism	+++
Progressive mixed chimerism	+++
Loss of chimerism	+++

Suitability: +++ optimal, ++ well, + limited