

Ingenomics™ AutoProfiler PCR Amplification kit (IQC)

Ingenomics™ AutoProfiler is an autosomal STR case work analysis solution based on six dye chemistry. The kit amplifies 28 short tandem repeats (STRs) with one larger and one smaller Internal Quality Control (IQC). The chosen markers include 24 of the autosomal STR loci, one Y chromosomal STR loci (DYS391), two of the Y-indel loci (Rs2032678, Rs771783753) and a sex determining marker amelogenin. This kit is compatible with the mainstream autosomal case investigation kits generally used in all the forensic laboratories, which makes it a powerful tool in forensic case investigation. The Ingenomics™ Auto Profiler is forensic grade and is developed as per ISO18385 guidelines

Stupendous Sensitivity and Suitability

PCR components and conditions are well optimized, which greatly improves sensitivity of the kit. Full profile could still be obtained with DNA input as low as 0.0625 ng. 10 mini-STR (<220bp) could be detected by specifically designed STR loci arrangement, which are very powerful when dealing with degraded samples.

Effective performance and easy analysis

Ingenomics™ AutoProfiler enables by efficient primer design process, ensures effective performance with greatly improved data.

The quality of primers chosen effectively improves the balance of different dyes, reduce the generation of dye peaks, and helps data analysis become faster and easier.

Appreciable resistance to inhibitors

The buffer system developed with perfect composition and quality delivers inhibitor free performance against the known inhibitors such as Humic acid, heme, tannic acid higher sensitivity. The improvised buffer formula enables anti-PCR inhibitor resistance capability and higher amplification efficiency, making simpler the analysis of samples containing DNA inhibitors, with stable, efficient amplification and reliable genotyping data.

TH01, D5S818, D21S11, D18S51, D6S1043, Y-indel, Amel, D3S1358, D13S317, D7S820, D16S539, CSF1PO, Penta D, D2S441, VWA, D8S1179, TPOX, Penta E, Y-indel, D19S433, D22S1045, D2S1338, FGA, DYS391, D1S1656, D12S391, D10S1248, SE33

Perfect for case analysis and DNA databasing

Ingenomics™ AutoProfiler can be used with conventional Y Chromosomal STR kits for comprehensive database development, also enabling the consistency of genotyping results between the two versions of kits, achieving the high-quality comparison with the existing database.

	0.03125 ng/μL	0.0625 ng/μL	0.125 ng/μL	0.25 ng/μL	0.5 ng/μL	1 ng/μL
TH01						
D5S818						
D21S11						
D18S51						
D6S1043						
Rs2032678						
AMEL						
D3S1358						
D13S317						
D7S820						
D16S539						
CSF1PO						
Penta D						
D2S441						
VWA						
D8S1179						
TPOX						
Penta E						
Rs771783						
D19S433						
D22S1045						
D2S1338						
FGA						
DYS391						
D1S1656						
D12S391						
D10S1248						
SE33						

Sensitivity effectiveness the Ingenomics™ AutoProfiler as from the validation studies carried out various concentrations ranging 0.031ng to 1ng of control DNA. Full profiles were obtained at concentrations as low as 0.0625ng



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Forensic Grade
ISO 18385

