

iPLEX[®] Sample ID Panel

Available Now

iPLEX[®] Sample ID Panel – a rapid, cost-effective method for sample identification

The Sequenom MassARRAY[®] system offers a high-throughput, robust method for sample identification and has been utilized by leading cancer repositories and biobanking centers¹.

The iPLEX[®] Sample ID Panel provides a highly accurate method for sample tracking and identification via SNP genotyping. The panel includes 45 highly informative SNPs across European, Asian, and African populations identified by the SNPforID consortium². Designed within a single well, you only need <20 ng. DNA to quickly ensure your sample matches the one intended.

Key Features

- Unique, large number of loci provides a high degree of discriminatory power of $> 1.00 \times 10^{-18}$
- Single multiplexed assay provides a cost-effective, streamlined protocol
- iPLEX[®] reagents and custom oligonucleotide mixes available through Assays by Sequenom



Figure 1 – Reference Sequences (RefSeq) represented in the iPLEX[®] Sample ID Panel

rs1005533	rs1454361	rs251934	rs8037429
rs1015250	rs1463729	rs2830795	rs826472
rs1024116	rs1490413	rs2831700	rs873196
rs1028528	rs1493232	rs354439	rs876724
rs1029047	rs1528460	rs717302	rs891700
rs1031825	rs1979255	rs722098	rs901398
rs10495407	rs2016276	rs727811	rs907100
rs1335873	rs2040411	rs729172	rs914165
rs1357617	rs2046361	rs733164	rs964681
rs1360288	rs2056277	rs737681	
rs1382387	rs2076848	rs740910	
rs1413212	rs2107612	rs763869	

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1). Demichelis, F. et al. SNP panel identification assay (SPIA): a genetic-based assay for the identification of cell lines. NAR, 2008, **1-11**.

2). Sanchez, J. et al. A multiplex assay with 52 single nucleotide polymorphisms for human identification. Electrophoresis, 2006, **27**, 1713-1724.

For allele frequency information by ethnicity, visit: <http://spsmart.cesga.es/snpforid.php>

Sequenom's patented nucleic acid analysis by mass spectrometry methods are protected under United States patent rights; including, but not limited to: 6,500,621, 6,300,076, 6,258,538, 5,869,242, 6,238,871, 6,440,705, 6,994,969, 7,419,787 and 7,390,672 and patents pending; including, but not limited to Application no. 20040081993A1, 11/089,805, and all of the foreign equivalent patent rights of the foregoing.

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SQ226 Sample ID Flyer vA (11/10/11)

SEQUENOM[®]

Next Generation Genetic Analysis System



MassARRAY® Analyzer 4

Mass spectrometry is ideally suited for the analysis of nucleic acids due to its exquisite sensitivity and accuracy. The new MassARRAY® Analyzer 4 System unites the power of mass spectrometry, robust molecular biology, and advanced data analysis software to meet the needs of low and high-throughput laboratories. The MassARRAY Analyzer 4 provides increased

throughput, fast time-to-results, and the flexibility to run from tens to thousands of samples cost-effectively across a variety of applications – making it an ideal genetic analysis system for use in basic and translational research laboratories. Visit our website at www.sequenom.com and see what leading institutions already know.

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