

SNPlex™ Genotyping System Specifications for 48-plex Formats

System Performance*

Assay workflow time: 16 hours

System throughput in five days:

Applied Biosystems 3130x/ Genetic Analyzer: 50,000 genotypes

Applied Biosystems 3730 DNA Analyzer: 750,000 genotypes

Applied Biosystems 3730x/ DNA Analyzer: 1,500,000 genotypes

Instrument run time: 15 minutes

Accuracy: > 99.5%

Call Rate: > 95%

Precision: > 99.7%

Concordance: 99.2% (compared to TaqMan® probe-based assays and sequencing)

*Results may vary depending upon project type.

System Requirements

Supported assay IDs: dbSNP (rs ID), Celera® (hCV ID), context sequence (FASTA format), and others

Genomic DNA quantity: 37 ng per multiplex reaction (0.8 ng per genotype for 48-plex)

Plate type: 96- and 384-well MicroAmp® plates

Supported instruments: Applied Biosystems 3730/3730x/ DNA Analyzers with Data Collection Software, and 3130x/ Genetic Analyzer

Instrument module: HTSNP36_POP-7 polymer

CE consumables: POP-7™ polymer and 48- or 96- 36 cm capillary array

Dye set: FAM™, dR6G, and LIZ® dyes

Analysis software: GeneMapper® Software v3.5 or higher, BioTrekker™ Software v1.0 or higher

ORDERING INFORMATION

Custom SNP Assays

P/N

SNPlex™ Custom SNP Ligation Probes 4346978

Combination Kits

P/N

SNPlex™ System Starter Kit 4362267
(Includes user documentation, matrix standards, control pool and array conditioning kit, and support file CD)

SNPlex™ System Core Kit (5,000 reactions)** 4362266

SNPlex™ System Core Kit (1,500 reactions)** 4375768

**Refills for all SNPlex System core reagents excluding documentation. Matrix standards sold separately (listed below).

Individual Components***

P/N

SNPlex™ System Oligonucleotide Ligation Kit 4362268

SNPlex™ System Purification Kit 4349357

SNPlex™ System Amplification Kit 4349358

SNPlex™ System Assay Controls Kit 4349363

SNPlex™ System Assay Standards Kit 4349351

SNPlex™ System ZipChute™ 48-plex Kit 4349361

SNPlex™ System 384-Well Hybridization Plates (5 total) 4349369

SNPlex™ System 96-Well Hybridization Plates (10 total) 4362933

SNPlex™ System Hybridization Wash Buffer (10X) 4349301

SNPlex™ System Hybridization Binding Buffer (10X) 4349304

SNPlex™ System ZipChute™ Dilution Buffer 4349306

SNPlex™ System Matrix Standard Kit DS-40 (Dye Set S) 4349365

SNPlex™ System Quick Start Reference Card 4347395

SNPlex™ System Chemistry Guide 4344467

SNPlex™ System Array Conditioning Kit 4352018

SNPlex™ System Control Pool Kit 4362639

SNPlex™ System gDNA Plates Kit 4366135

***Ideal for expert users who need to reorder specific items only.

For Research Use Only. Not for use in diagnostic procedures.

SNPLEX SYSTEM—NOTICE TO PURCHASER: PLEASE REFER TO THE SNPLEX SYSTEM USER'S MANUAL FOR LIMITED LABEL LICENSE OR DISCLAIMER INFORMATION.

The Applied Biosystems 3730 and 3730x/ DNA Analyzers include patented technology licensed from Hitachi, Ltd. as part of a strategic partnership between Applied Biosystems and Hitachi, Ltd., as well as patented technology of Applied Biosystems.

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