

Advanta Sample ID Genotyping Panel

Maintain sample identity throughout the workflow

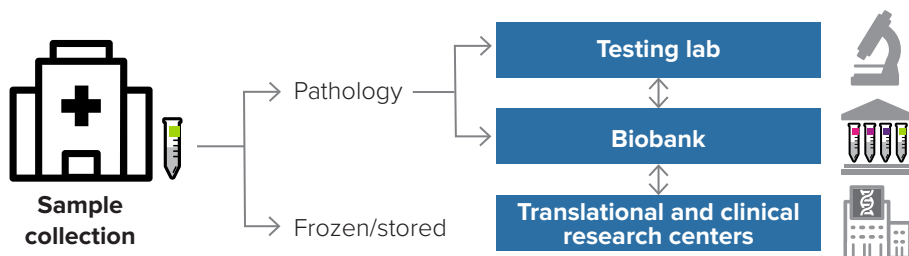


The Advanta™ Sample ID Genotyping Panel is a 96-SNP genotyping assay that enables sample identification and quality assessment.

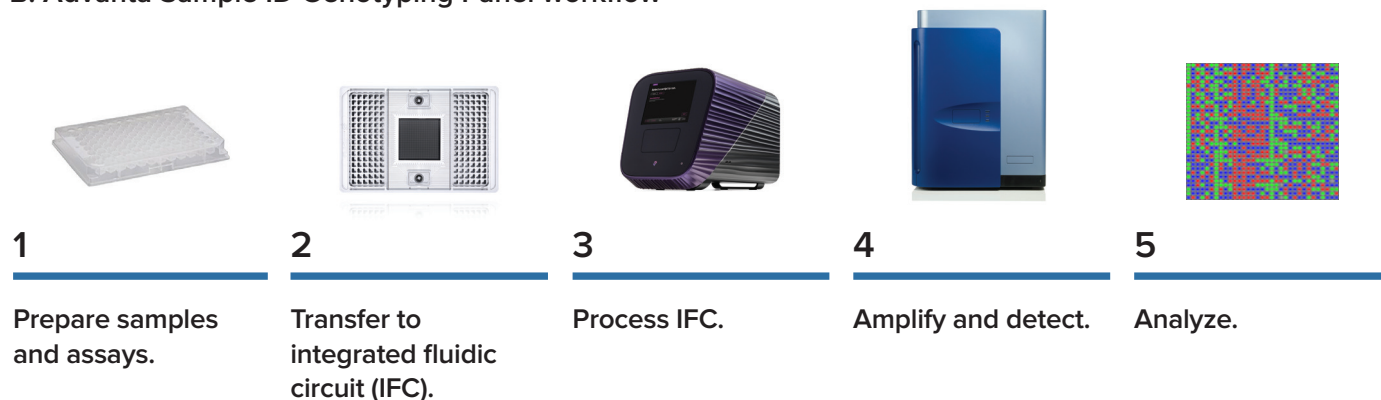
With exchange of samples occurring through various service provider institutions, the Advanta Sample ID Genotyping Panel provides an effective means of ensuring accurate sample tracking across multiple applications. Designed for use with the Biomark™ HD system, the assay enables efficient identification of 80 synonymous human variants located in exonic regions of the genome, 10 quality assessment variants and six gender-confirming variants.

Efficiently track sample identity

A. Sample journey



B. Advanta Sample ID Genotyping Panel workflow



Highlights

Powerful—Monitor the identity and quality of each sample using 96 different SNPs.

Flexible—Easily add new targets for specific sample populations to customize.

Efficient—Reduce costs with nanoliter-scale reaction volumes and walkaway automation.

Figure 1. Efficiently track sample identity with the Advanta Sample ID Genotyping Panel. (A) Maintain accurate sample identification across multiple stakeholders and applications. (B) Run up to 96 samples at a time using the automated Juno™ and Biomark HD systems.

Advanta Sample ID Genotyping Panel SNPs

SNP ID	Q	G	E	P	H
rs952718	✓				
rs7803075	✓				
rs9319336	✓				
rs2397060	✓				
rs1344870	✓				
rs2946788	✓				
rs6591147	✓				
rs2272998	✓				
rs7229946	✓				
rs9951171	✓				
rs525869		✓			
rs530501		✓			
rs2040962		✓			
rs2032624		✓			
rs1865680		✓			
rs17307398		✓			
rs3795366				✓	
rs2460111			✓		
rs1675126				✓	
rs1061629			✓		✓
rs538847				✓	
rs76432344				✓	✓
rs3750390			✓		
rs1624844				✓	
rs3803390			✓		
rs2293768			✓		
rs9358890			✓		
rs11197835			✓		
rs1806191				✓	
rs7953			✓		✓
rs3736757				✓	✓
rs2940779			✓		

SNP ID	Q	G	E	P	H
rs7522034			✓		✓
rs6107027			✓		✓
rs2275059			✓		
rs3746805			✓		
rs4953042			✓		✓
rs3817098			✓		
rs6965201			✓		
rs5998				✓	
rs7259333			✓		
rs1802778			✓		✓
rs907157			✓		
rs8064024				✓	✓
rs3749970			✓		
rs7933089				✓	✓
rs2292745			✓		
rs1799932			✓		
rs4078313			✓		
rs2266918				✓	
rs805423			✓		✓
rs540261				✓	✓
rs3734586			✓		✓
rs3753886			✓		✓
rs3210635			✓		✓
rs2294024				✓	
rs3812471			✓		✓
rs7786497			✓		
rs1128933				✓	✓
rs4656			✓		✓
rs238148			✓		✓
rs2074265			✓		✓
rs11274			✓		✓
rs10069050			✓		✓

SNP ID	Q	G	E	P	H
rs3736510			✓		✓
rs2304891				✓	✓
rs9482			✓		✓
rs1137930				✓	✓
rs1058486			✓		✓
rs27529				✓	✓
rs3177137				✓	✓
rs1043615				✓	✓
rs1054975				✓	✓
rs1060817				✓	✓
rs2232818			✓		✓
rs2273235			✓		✓
rs11054				✓	✓
rs2236277				✓	✓
rs2293250				✓	✓
rs3182911				✓	✓
rs4799				✓	✓
rs13030				✓	✓
rs547497				✓	✓
rs13180				✓	✓
rs957448			✓		✓
rs3108237				✓	✓
rs164572				✓	✓
rs2175593				✓	✓
rs2306641				✓	✓
rs1594				✓	✓
rs7300444				✓	✓
rs1057908				✓	✓
rs2152092				✓	✓
rs2358996				✓	✓
rs4075325				✓	✓
rs1057925				✓	✓

Q—Quality G—Gender E—Ethnicity P—Polymorphic H—Highly expressed

Table 1. SNP list for Advanta Sample ID Genotyping Panel. This 96-assay set includes 10 quality assessment SNPs, six gender SNPs, 40 polymorphic SNPs with minor allele frequency (MAF) near 0.5 across three population groups, and 40 ethnicity SNPs for population prediction (European, East Asian or African).

Ordering information

Product Name	Part Number
Advanta Sample ID Genotyping Panel	101-7773

Each made-to-order panel contains three assay plates (including allele-specific primers, locus-specific primers and specific target amplification primers).

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