

SNP genotyping with Agena methodology

In a SNP genotyping project we have four different parts of the analysis that we charge for: assay primers, validation of assays, concordance analysis (on a subset of genotypes generated from customer DNA), and genotyping of customer DNA.

The genotyping assay requires three primers for each polymorphism analyzed. The validation is performed on commercial DNA from CEPH and individuals used by the HapMap project.

The concordance analysis is performed on 90 random DNAs from the customer, which are genotyped twice to analyze the reproducibility of the assays. The genotyping is charged per analyzed well, and each well can contain up to 36 assays with the iPLEX Gold chemistry. Assays analyzed together in the same well make up one pool.

SNP genotyping assays	Price/assay* (SEK)
Up to 3500 samples	700
SNP genotyping validation	Price/pool* (SEK)
Agena iPLEX Gold (max 36 SNPs/pool)	4500
SNP genotyping concordance analysis	Price/pool (SEK)
Agena iPLEX Gold (max 36 SNPs/pool)	3400
SNP genotyping analysis, chemistry	Price/well** (SEK)
Agena iPLEX Gold	39

* Primers are ordered for each study and will be discarded after delivery of the genotyping data.

** Note: In the fee any empty wells in a 96 well plate are included – beside the six wells that are used for MAF control purposes.

Concluding remarks

If some assay does not fulfill our validation criteria, or the customer simply does not want to analyze it, we will not include it in the following steps of genotyping. However, we will have to charge for the primers and for the validation for that particular assay.

Non-academic customers please contact us to inquire about prices.