

Sample requirements Illumina Infinium assay

The Infinium protocol is optimized for 200 to 750 ng genomic DNA depending on the used BeadChip type.

For genomic DNA quantification we highly recommend a fluorescence-based method like Qubit or PicoGreen.

Successfully Infinium genotyping is strongly influenced by the quality of the input DNA. High quality genomic DNA should:

- be high molecular (gel electrophoresis recommended)
- be free of contaminants such as EDTA or proteins (the ratio of absorbance 260/280 should be 1.8-2.0, the 260/230 ratio should be ~ 2.0-2.2)