

## Sample requirements Illumina TruSeq/Nextera DNA sample prep Kit

The TruSeq DNA sample prep protocol is optimized for 1 µg genomic DNA. The Nextera DNA sample prep protocol is optimized for 50 ng of genomic DNA total.

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

Successfully library generation is strongly influenced by the quality of the input DNA. High quality genomic DNA should:

- be high molecular (gel electrophoresis is 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)