Infinium Methylation sample requirements

Note that the user is responsible for the results in case the samples submitted do not match the specifications below or do not meet the criteria of the chosen lab procedure.

- DNA should be delivered at a concentration of 100 ng/ul and in a volume of 30 ul.
- Concentration, 260/280 & 260/230 values should be determined using the NanoDrop. Measure DNA concentration with Qubit or NanoDrop. Pure DNA samples should be in the following range: 260/280 ≥ 1.8, 260/230 ≥ 2.0.
- DNA samples should be suspended in DDW or Tris buffer, with no EDTA.
- DNA samples should be submitted as follows:
    - In 8-tube PCR strip/96 well plate.
    - Tubes must be clearly marked with a serial number on the top and the side of the tube (not sample name), corresponding to the sample's number in the Sample Information Form. Samples delivered on a plate should be arranged in columns (e.g. A1-H1). In the matching electronic sample information form, write the number/plate position and a meaningful name. Ensure that the number on the tube is identical to the serial number of the sample in the electronic Sample Submission Form.
    - Arrange samples in the correct order in an appropriate box. We cannot accept samples in plastic bags or randomly placed on ice. Mark the box with your name and date.
- An electronic Sample Submission Form should be filled out and sent by email to linde@technion.ac.il.

Recommendations-

1. DNA extraction methods that are based on spin columns are preferred.
2. Illumina recommends the usage of reliable DNA measuring systems, such as NanoDrop, Picogreen, or Qubit assay.
3. If needed, re-check the DNA concentration after the initial dilution, to ensure the final concentration matches our requirements.
4. Please perform genomic DNA quality control prior to sample delivery, such as electrophoresis on agarose gel (load 500 ng DNA).