



eurofins

Genomics

Ready2Load

Sample Submission Guide.



Ready2Load In Tubes And Plates.

Sample preparation

- Perform the sequencing reaction according to the BigDye Terminator v3.1 cycle sequencing protocol.
- Use ABI BigDye Terminator Kit v3.1.
- Ensure that the BigDye volume per reaction does not exceed 1 μ l.
- Verify the total reaction volume of 10-20 μ l.
- Ship your samples on dry ice to prevent material decay.

Sample submission

Ready2Load tubes

- Use 1.5 ml safe-lock tubes for your samples.
- Do not tape or wrap tubes with parafilm. Safe-lock tubes offer perfect sealing and evaporation protection.
- Label your sample tubes with our Tube Labels.
- Use a water resistant marker for any additional labelling.

Ready2Load plates

- Use the PCR Plate from our sequencing accessories.
- Seal your samples securely using 8-cap strips.
- If you are using your own plates, label your plate with your order number and plate name on the plate frame.

Sequencing primers

- The optimum primer length is between 16-25 bases.
- Primer melting temperature (T_m) should be 50-62 °C.
- The GC content of the primer should be 35-60 %.
- Ideally one G or C should be located at the 3' primer end.
- The number of 3' Gs or Cs should not exceed 2 Gs or Cs.
- If possible, avoid >3 identical bases in a row in the sequence.

The sequencing results from our Ready 2Load service depend solely on your pre-cycled sequencing reactions sent to us. Therefore, we cannot guarantee the accuracy of your sequencing data.