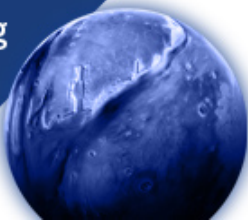


w10.0.13 | c1.0.0.25

PROD | u7.5.14

Breaking
News

LightRun Tube - Sample Requirements



Now lower concentrations for purified
PCR products required !!!

» See sample submission

LightRun Tube



LightRun Tube Service

Sample Submission

Sending your samples the right way

Sample requirements:

Take **5 µl** of the **purified template DNA** with either of following concentration:

- Purified plasmid DNA:
50 - 100 ng/µl
- Purified PCR products:
150-300 bp: 1 ng/µl
300-1000 bp: 5 ng/µl
1000-3000 bp: 10 ng/µl

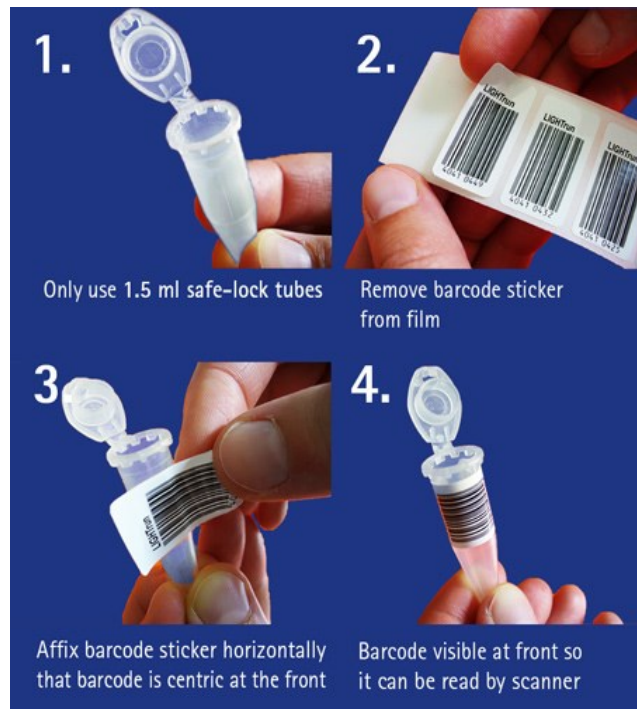
Add **5 µl of primer** with a concentration of **5 pmol/µl** (5 µM)

Please send total sample amount of **10 µl** in 1.5 ml tubes

To ensure the best possible quality of sequence data, the **total volume** of the sample should not be less than **10 µl**.

We recommend measuring the DNA concentration on an agarose gel.

Sample submission:

**Sequencing primers:**

- Primers must not contain phosphorylation or fluorescent dyes
- The optimum primer length is between 16-25 bases
- The 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