The sample requirements

If the client wants to provide custom primers, the primers must have a concentration of 5µM (5ρmole/µl).

The client can provide DLM with bacterial stocks, plasmids and PCR products.

- **DNA CONCENTRATION:**

  Identify the DNA concentration in **ηg/µL** (when applicable)

  - **Sample requirements**

    1. **Plasmid DNA**

       a) **Li-Cor DNA analyzer** (universal primers only)
       (Custom primers can be labeled with extra cost)

       - Total DNA/sequencing reaction: 1600 ηg
       - Minimum concentration 80ηg/µl
       - Send DNA for two sequencing reactions
       - Minimum of 20 µl is requested
       - Read length 800 to 1100 bp.

       b) **ABI Prism 3700/3730xl DNA Analyzer (capillary system)**

       - Total DNA / sequencing reaction: 400 ηg
       - Minimum concentration 50 ηg /µl
       - Send DNA for two sequencing reactions
       - Minimum of 20 µl is requested
       - Read length 500 to 700 bp.
       - Custom primer concentration: 5 µM or 5 ρmol/µl, 10 µl per reaction

    2. **PCR Product**

       a) **ABI Prism 3700/3730xl DNA Analyzer (capillary system)**

       - Total DNA / sequencing reaction: 20 to 80 ηg
       - Minimum of 20 µl is requested
       - Primer concentration: 5 µM or 5 ρmol/µl , 10 µl per reaction
       - PCR products clean up with QIAGEN kit or equivalent.
       - Provide us with the **Tm** of custom primer

DNA LandMarks Inc ▪ 84 rue Richelieu ▪ St-Jean-sur-Richelieu ▪ Québec ▪ Canada ▪ J3B 6X3
Phone: 450.358.2621 ▪ Fax: 450.358.1154 ▪ www.dnalandmarks.ca

3. **For Full sequence analysis**

- Total DNA: 2000 ηg for the starting sequences <1Kb.
- An additional 800 ηg every 1000bp for >1 Kb

OR

- **Stab clones or glycerol stocks with antibiotic resistance**

◊ **DNA Quality: QIAGEN or equivalent**

▪ Spin column	cat. no. 27106
▪ QIAprep 96 turbo	cat. no. 27191
▪ QIAquick PCR purification	cat. no. 28106
▪ QIAquick 96 PCR purification	cat. no. 28181

***All DNA concentration will be read by DNA LandMarks**
*** PLEASE DILUTE ALL DNA in ddH2O.**

If you need any additional information on material preparation please do not hesitate to communicate with us, we will be pleased to answer you.

General information

1. For large insert with unknown sequence, DLM offers alternative-sequencing approaches like:

   a) DNA shearing, sub-cloning
   b) Transposon tagging

   ➢ If you want to use one of these alternatives, you must contact Martin Laforest at 450-358-2621 ext.115 (or Nathalie Hubert ext. 128).

2. DLM will charge you for all the sequencing reactions done, even the failed ones, **except in cases where the sequencing reactions failed due to DLM's fault** (ex. Machine breakdown, chemicals problems...).

3. Account number :

   ◊ You create your account directly on the WEB site:
   HTTP://WWW.DNALANDMARKS.CA

   ◊ You are responsible to delete the data in your account as soon as you retrieve it.

4. Our naming convention for the report is :

- Name of the clone with **.r or .g** extension means reverse strand
- Name of the clone with **.f or .b** extension means forward strand
- Name of the clone with .d extension means custom primers were used
- Name of the clone with **no** extension means consensus report

DNA LandMarks Shipping Address:

DNA LandMarks Inc.
Sequencing Department
A/S Maribel Riveiro
84 Richelieu Street,
2nd floor,
St-Jean-sur-Richelieu
Quebec, Canada
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Tel.: 450-358-2621 ext.122

Thank You