

Ready2Load

” Sample Submission Guide for the Ready2Load Sequencing Services

REACTION SETUP

- 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 µl.
- Verify the total reaction volume of 10-20 µl.

” **Please note:** 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.

OPTIMUM PRIMER CONDITIONS

- The optimum primer length is 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
- Primers must not contain phosphorylation or fluorescent dyes

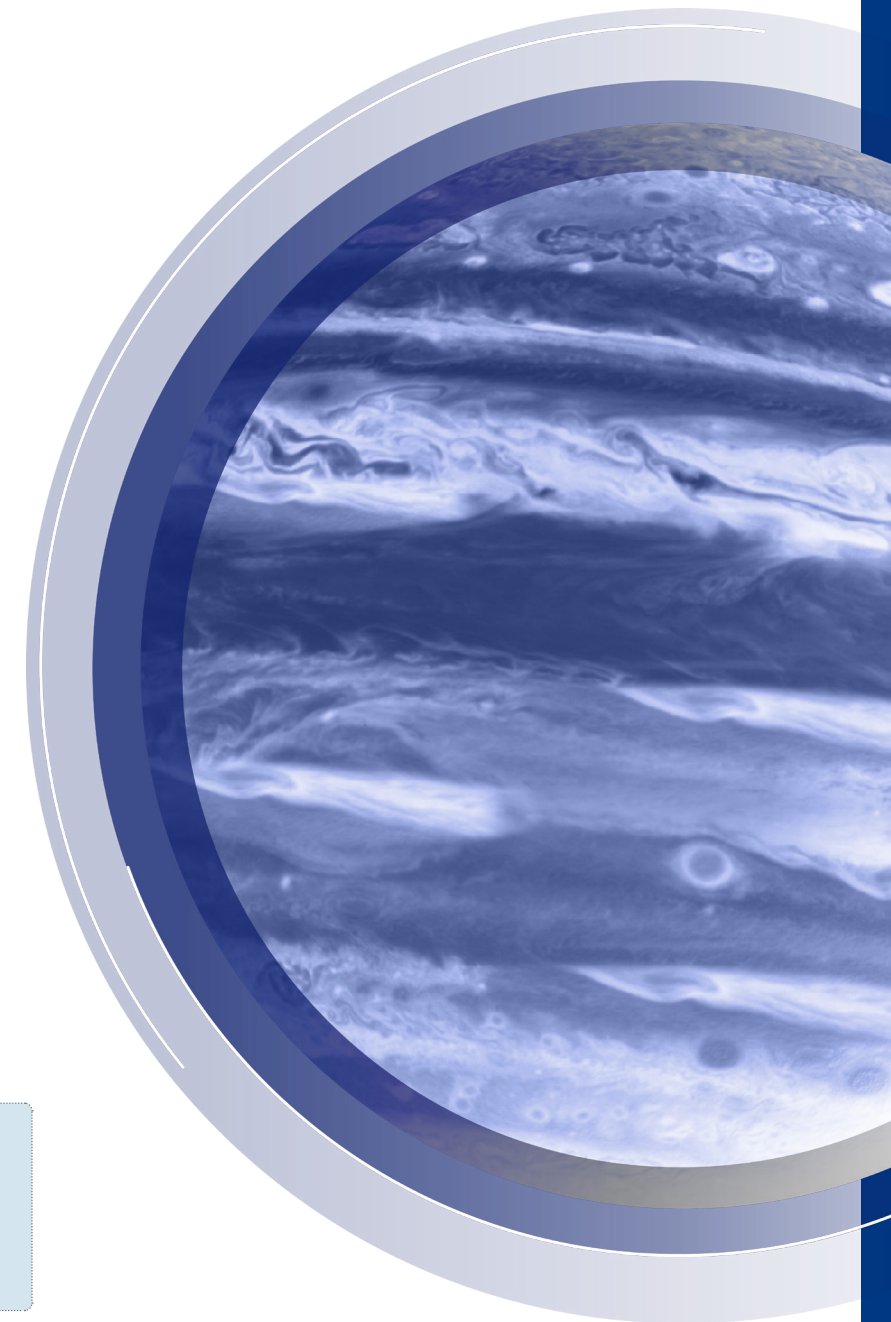
Where to send samples

BY DROPBOX

There are many DropBoxes installed throughout Europe for free sample shipment.

BY POST:

Eurofins Genomics Sequencing GmbH
Anzinger Str. 7a
85560 Ebersberg, Germany



Sample Preparation & Submission.

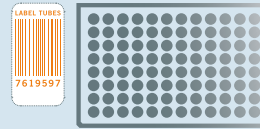
1.



2.



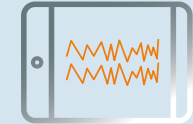
2.



3.



4.



1. DEFINE REACTIONS

Login to your Eurofins Genomics account. Choose “Ready2load Tube or Plate“ in the order menu.

Define your reactions on the order page.

2. LABEL TUBES

Use 1.5 ml safe-lock tubes for your samples.

Do not tape or wrap tubes with parafilm.

Label your sample tubes with our Tube Labels.

2. LABEL 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 our Plate Labels.

3. SUBMIT SAMPLES

Use our tube bags or eco-friendly paper boxes for safe shipment. Drop your samples in a DropBox to benefit from free sample pick up. Ship your samples on dry ice to prevent material decay.

4. DOWNLOAD RESULTS

You will receive an email once your data is ready to download from your Eurofins Genomics account.

Data will be available next day after sample receipt.

Additional Service & Information

» If you need barcodes for your samples in tubes or plates, visit us [here](#)

» To find your closest DropBox, login to your account and [click on “My DropBoxes”](#)

» Do you need boxes for safe shipment of your sample tubes? [Visit us here](#)



USE OUR FREE SEQUENCING PRIMER DESIGN TOOL TO DESIGN THE OPTIMUM SEQUENCING PRIMERS

If you search for the perfect sequencing primer, you will love our SeqPrimer and Standard Primer (incl. NightXpress shipping options). Test them with a 25,- Euro voucher (or equivalent national currency). Simply use the promotion code “OLIGOPLANET” during check-out.

