

# SupremeRun Tube

## Sample Submission Guide for the SupremeRun Tube Sequencing Service

### DNA & PRIMER CONCENTRATION & VOLUME

Sample type	Product length	Concentration	Vol. 1-4 rct.	Vol. 5-8 rct.
Plasmid DNA	<30 kbp	50-100 ng/μl	15 μl	20 μl
Purified PCR Products	150-300 bp 300-1000 bp 1000-3000 bp	1 ng/μl 5 ng/μl 10 ng/μl	15 μl 15 μl 15 μl	20 μl 20 μl 20 μl
Unpurified PCR Products	150-300 bp 300-1000 bp 1000-3000 bp	4 ng/μl 10 ng/μl 20 ng/μl	15 μl 15 μl 15 μl	20 μl 20 μl 20 μl
Enclosed Primer	16-25 bases	10 pmol/μl	15 - 30 μl*	35 - 50 μl*

\*Primer must have a volume of 15 μl (double distilled water or 5 mM Tris-HCl); 5 μl of primer is required for every additional sequencing reaction

Quantify the DNA concentration via agarose gel or a photometer to ensure accurate results.

### OPTIMUM PRIMER CONDITIONS

- The optimum primer length is 16-25 bases
- Primer melting temperature (T<sub>m</sub>) 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

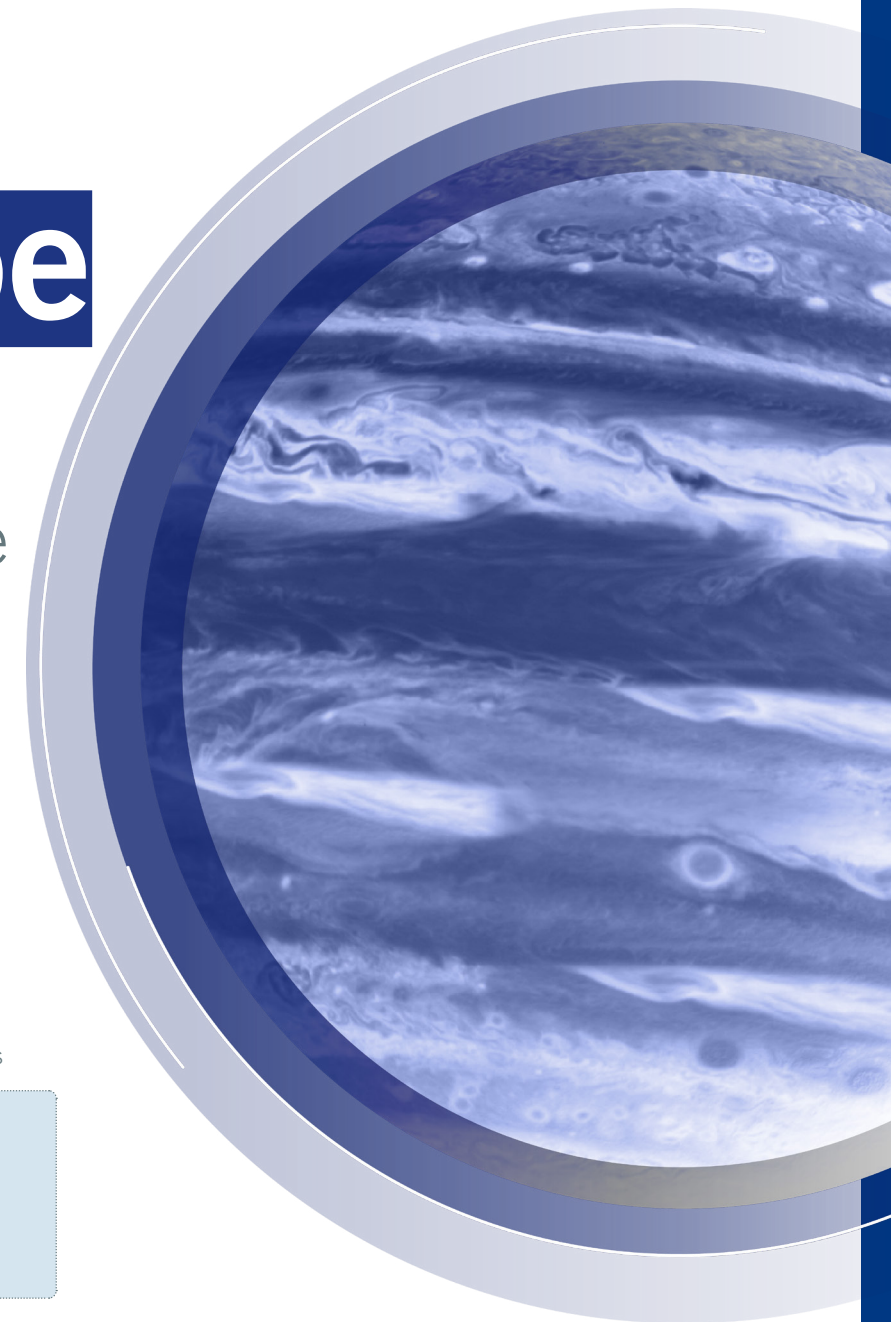
### Where to send samples

#### BY DROPBOX

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

#### BY POST:

Eurofins Genomics Sequencing GmbH  
Gottfried-Hagen-Straße 20  
51105 Köln



# Sample Preparation & Submission.

1.



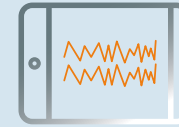
2.



3.



4.



## 1. DEFINE REACTIONS

Login to your Eurofins Genomics account. Choose “SupremeRun Tube” in the order menu.

Define your reactions on the order page and allocate the barcodes to your reactions.

## 2. LABEL TUBES

Affix the green barcode in front of the sample tube.

Keep the other parts for your lab record.

Please don't use parafilm to seal your tubes!

## 3. SUBMIT SAMPLES

Use a DropBox to benefit from free sample pick-up.

Make sure to pack your samples safely.

## 4. DOWNLOAD RESULTS

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

Data will be available the next business day after sample drop-off at a DropBox.



**Please note:** If samples are sent by post, data will be delivered next business day after sample receipt at Eurofins Genomics.

## Additional Service & Information

» If you need primer barcodes for your enclosed primers, get our Tube Labels [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.

