

SupremeRun Plate Sequencing Service

Sample Submission Guide for the SupremeRun 96

DNA & PRIMER CONCENTRATION & VOLUME

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

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_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

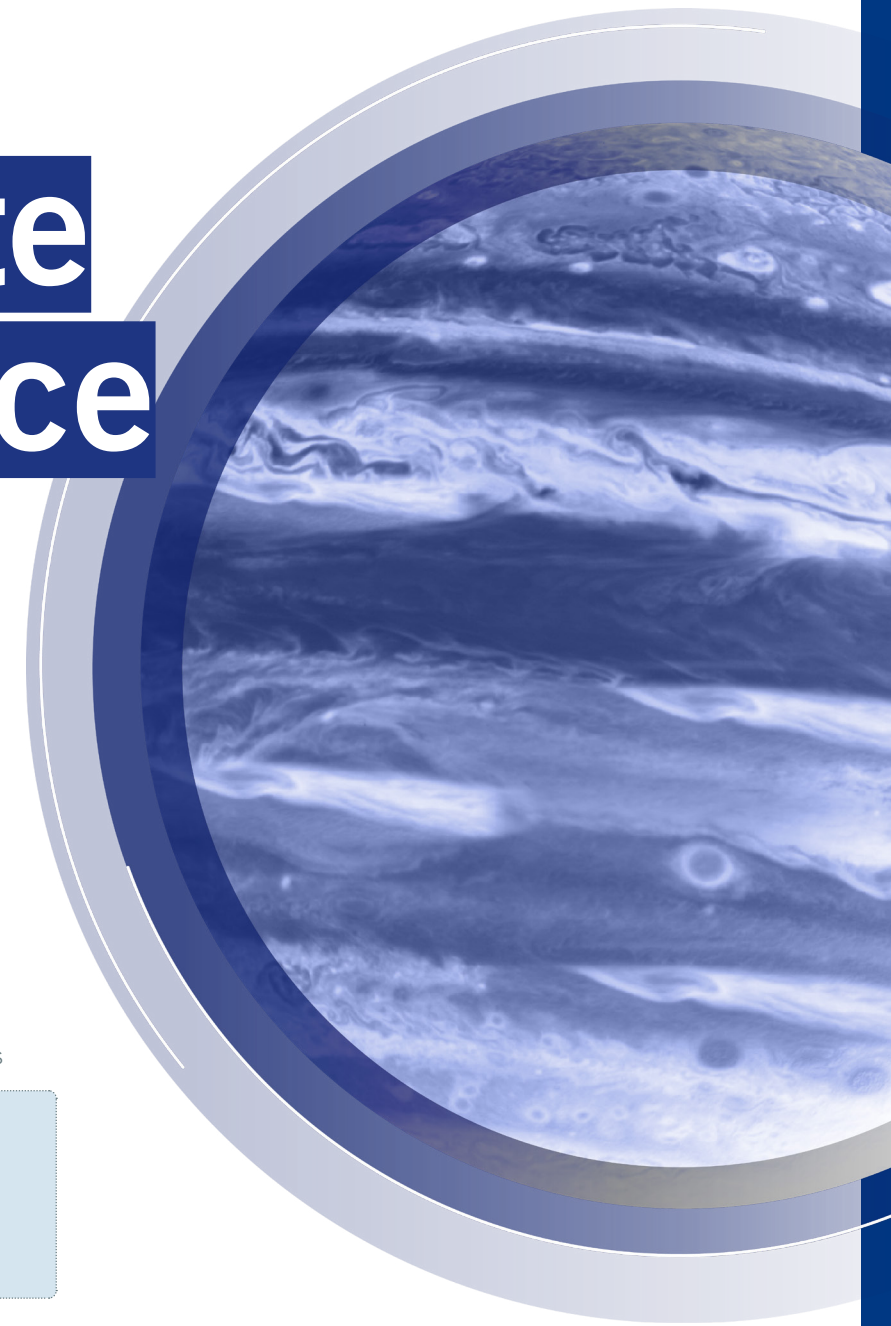
Where to send samples

BY DROPBOX

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

BY POST:

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



Sample Preparation & Submission.

1.

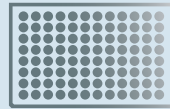


1. DEFINE REACTIONS

Login to your Eurofins Genomics account. Choose "SupremeRun 96" in the order menu.

Select the barcode which you will use on the order page.

2.



2. LABEL PLATE

Please use fully skirted PCR plates for your samples.

Stick the plate barcode on the edge of your plate.

Keep the other parts for your lab record.

3.



3. SUBMIT SAMPLES

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

Make sure to pack your samples safely.

4.



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 it 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? [Visit us here!](#)



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