

TubeSeq Ultimate

Sample Submission Guide for the TubeSeq Ultimate Service

DNA & PRIMER CONCENTRATION & VOLUME

Sample type	Product length	Sample conc.	Min Vol. 1-8 rct.
Plasmid DNA	<30 kbp	50-100 ng/μl	15 μl
BAC/PAC/Cosmid DNA	30-200 kbp	200-1000 ng/μl	15 μl
Purified PCR Products	150-300 bp 300-1000 bp 1000-3000 bp	1 ng/μl 5 ng/μl 10 ng/μl	15 μl
Unpurified PCR Products	150-300 bp 300-1000 bp 1000-3000 bp	4 ng/μl 10 ng/μl 20 ng/μl	15 μl
Enclosed Primer	16-25 bases	10 pmol/μl	15 μl*

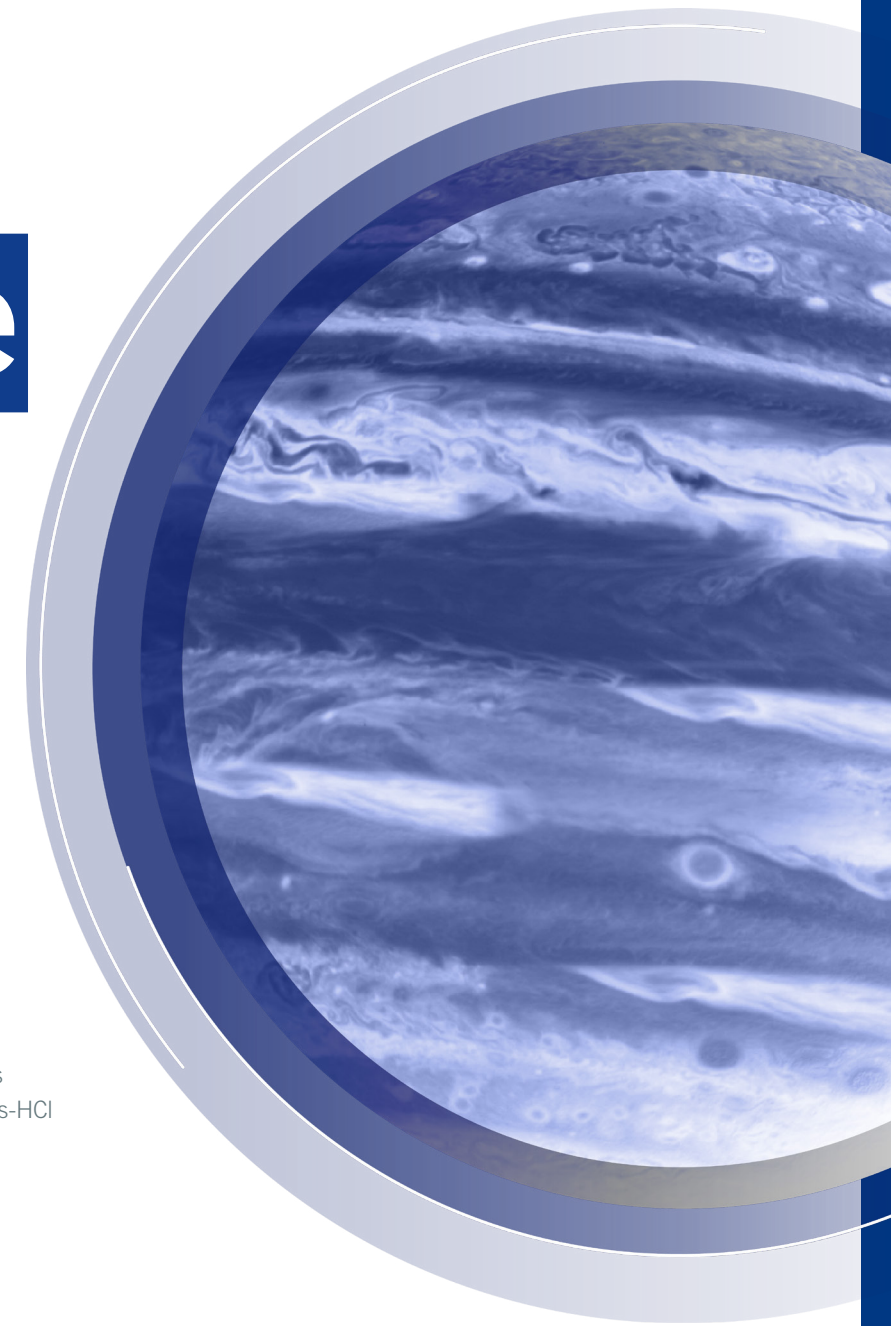
*Sufficient for up to 200 reactions.; 30 μl are needed for up to 350 reactions. For more reactions, the primer must be entered several times and with a new name (e.g. indexed)

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
- Primer must be dissolved in double distilled water or 5 mM Tris-HCl

Please send your samples to:

Eurofins Genomics
Sequencing Lab
Anzingerstraße 7a / DE - 85560 Ebersberg



Sample Preparation & Submission.

1.



1. DEFINE REACTIONS

Login to your Eurofins Genomics account. Choose "TubeSeq Ultimate" in the order menu.

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

2.



2. LABEL TUBES

Affix the barcode on your sample tube. Use our Primer Barcodes for enclosed primers.

Please don't use parafilm to seal your tubes!

3.



3. SUBMIT SAMPLES

Use one of our shipping options to send your samples via mail or courier.

Make sure to pack your samples safely.

4.



4. DOWNLOAD RESULTS

You will receive an email once your data is ready to download.

Data will be available in your online account.

” Please ensure to send your samples directly to our sequencing lab in Ebersberg by using one of our shipping options!

Additional Service & Information

» If you need primer barcodes for your enclosed primers, get our Primer Barcodes [here](#)

» Shipping options for sending samples to our sequencing lab in Ebersberg can be found [here](#)

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



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