

Plate Sequencing Services

Choose the Plate Sequencing Service That Fits Your Needs
Fast Delivery of Results from Monday until Saturday
Many Useful Add-On Services

Proven Quality

Microsynth Seqlab has over twenty-five years of experience in the field of DNA Sanger sequencing. We are proud to supply numerous top European research groups in academia, governments and industry with our broad, high quality Sanger sequencing service portfolio. Microsynth Seqlab is certified according to ISO 9001:2015.

Convenient & Fast Service

Drop your sample(s) in one of Microsynth Seqlab's drop boxes at various locations in Germany and receive your result(s) on the following business day. Login into your account on our webshop to find the closest Microsynth Seqlab sample drop box. Predominantly environmentally friendly shipment of samples by bike courier and train.

We Are Here to Help!

Any questions about your Sanger sequencing results and/or how these can be optimized? Then contact us and our experts will do their best to support you (sequencing@microsynth.seqlab.de or +49 551 370 00 10).

General Features and Benefits

Read length up to 1'100 bases – **Standard vector primers (>90) but also specific primers are added free of charge** – up to 12 different specific primers per plate possible – **Fast**

in-house sequencing primer synthesis – Optimized sequencing methods for GC-rich templates or hairpin structures free of charge – Storage of primers up to 12 months – **Direct access to support**

by experienced academic staff (no waiting on a recorded message hotline) – **All results are available for download** or, if you wish, via email (FASTA files and ab1-chromatograms).

Overview of Plate Sequencing Services

Service	Barcode High-Throughput Run	Barcode High-Throughput Run Seq Only	High-Throughput Run
Payment mode	prepaid	prepaid	non-prepaid
	per plate	per plate	per reaction ¹
Upfront PCR purification	included		X ²
Upfront DNA preparation of plasmids from <i>E. coli</i>	included		X ²
Inspection of samples upon arrival and optimization of reaction conditions	X	X	X
Multiple sequencing out of one well possible ²	X	X	X
Results delivery following sample receipt	MON-FR	MON-FR	MON-FR
	next day ³	next day ³	next day ³
Sample storage	1 month	1 month	1 month
Colony picking from agar plates into high-throughput 96-well plates and generation of glycerol stocks ²	X		X
Higher-scale plasmid isolation (Midi/Maxi) from selected clones including shipment back to customer's lab ²	X		X
Shipment of isolated plasmids back to customer's lab ²	X		X

1) Plates with at least 24 samples can be sent, pricing per reaction

2) Additional charge applicable

3) For purified samples, which arrive at our facility in the early morning the results will be delivered the same day

Step-by-Step Protocol for Sequencing at Microsynth

High Flexibility Regarding Use and Storage of Sequencing Primers
Extensive and Professional Troubleshooting
Easy-to-Use Online Shop with Plenty of Useful Tools

Easy Sample Preparation (see also corresponding user guide)

1. (Optional) Extract the plasmid using commercial kits or purify your PCR product.
2. **Pipette 10 µl of the plasmid DNA (40-100 ng/µl) or of the PCR product (1.5 ng/µl per 100 bp)** (e.g. 6 ng/µl for a 400 bp product) into a well of a 96-well plate.
3. Add 2.5 µl of your 10 µM sequencing primer solution (end concentration 2 µM) or ask Microsynth Seqlab to add your desired primer*.
4. Login to our webshop at www.microsynth.seqlab.de and click on **Plate Sequencing** in the green Sanger Sequencing area. Then click on **Fill Order Form** for our (Barcode) High-Throughput Run. Please follow the further instructions in the webshop.
5. Finally put your sample(s) into a transparent plastic bag and drop it into the closest sample drop box. Alternatively, use our free labels for courier shipment.
6. Your sequencing results will be available for download on the webshop or will be sent to you by email within the next business day.

** If you want us to add your specific primer, please send a 10 µM solution of the primer to us, and it will be stored for 6 months (up to 12 months if registered on the custom list on the webshop). Furthermore, you can select from a list of >90 standard primers provided by Microsynth free of charge.*

We Are Here to Help!

If you have any questions or need technical support, please do not hesitate to contact us (Monday - Friday, 7:30 am to 4:30 pm).

Dr. Karla Busch or Dr. Michael Betzler
Sanger Sequencing Customer Support
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sequencing@microsynth.seqlab.de

Need More Information?

Call us at +49 551 37 000 10 or

email us at sequencing@microsynth.seqlab.de

