

# Barcode Economy Run

**Best-in-Class Sanger Sequencing Service in Tubes  
For Routine but also Most Difficult-to-Sequence PCR & Plasmid Samples  
Fast Delivery of Results from Monday to Saturday**

## Proven Quality

Microsynth 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 and high quality Sanger sequencing service portfolio. Microsynth is certified according to ISO 9001:2015. If required, Microsynth can even deliver ISO17025 accredited or GMP compliant sequencing.

## Convenient & Fast Service

Drop your samples in one of Microsynth's numerous drop boxes and receive your results before 8 am of the next business day upon sample receipt. Login into your account on our webshop to find the closest Microsynth sample drop box. If there is no drop box in your proximity, you receive 4 free express shipment labels per 100 prepaid sequencing runs or prepaid envelopes for mail shipment.

## We Are Here to Help!

Do you have any questions regarding your Sanger sequencing results and/or how you can optimize your sequencing results? Then contact our sanger sequencing customer support (sanger.support@microsynth.ch), and we will do our best to support you.

## Your Benefits Include

Up to 1'100 bases read length and more – **Standard but also specific primers will be added free of charge** – In-house production and storage of specific sequencing primers (up to 1 year!) – **Failed reactions are repeated free of charge** – Intuitive, user-friendly and fast sample registration process via our online portal

– **Special treatment for GC-rich templates at no extra charge** – Possibility to fine-tune sequence software analysis parameters to achieve your desired performance – Direct access to **support by experienced academic staff** available throughout the entire week – **Useful online tools** enabling you to oversee

your stock of barcode labels and primers but also to share it amongst your group members - **All results are available for download**, or if you wish via email (FASTA files and ab1-chromatograms); chromatograms can be viewed and edited.

## Complementary Services

- PCR purification
- Advanced sequencing protocol for difficult-to-sequence samples

### New Customer?

Test the sequencing service at no charge!

E-mail at [sanger.support@microsynth.ch](mailto:sanger.support@microsynth.ch)

Receive 4 free barcode labels (per research group)

### How to Order?

Enter our webshop via [www.microsynth.ch](http://www.microsynth.ch)

Click on "**Order Labels**" in the green Sanger Sequencing area

Click on "**Barcode Economy Run**" and follow the further instructions

### Need More Information?

Call us at +41 71 726 10 04 or

E-mail us at [sanger.support@microsynth.ch](mailto:sanger.support@microsynth.ch)



# 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 Lots of Useful Tools

## Easy Sample Preparation (see also our User Guide)

1. Purify your PCR product with a suitable protocol (e.g. columns) or extract the plasmid using commercial kits.

2. **Pipette 480 - 1200 ng of the plasmid DNA or 18 ng/100 bp of the PCR product** (e.g. 72 ng for a 400 bp product) in a 1.5 ml tube (please use either screw cap or safe-lock tubes to avoid accidental opening of your samples during transport) and fill the tube **to a total volume of 12 µl**.

3. Add either **30 pmol** of your sequencing primer or ask Microsynth to add your desired primer\*.

4. Login to our webshop at [www.microsynth.ch](http://www.microsynth.ch) and click on **Single Tube Sequencing** in the green DNA Sequencing area. Then click on **Fill Order Form** for our Barcode Economy Run Service. 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 prepaid and preaddressed envelopes for mail shipment.

6. Your sequencing results will be available for download or will be sent by email in the morning of the next day.

*\* Please note that Microsynth offers a high degree of flexibility with respect to utilization, storage and online stock management of your specific sequencing primers. If you want us to add a specific primer, just send it along with your sample and it will be stored for at least 6 months (or for 12 months in case you have added them to your Custom Primer List). If plasmids shall be sequenced, you can select from a list of >90 standard primers.*

## A Growing Number of Collection Boxes

Microsynth and its subsidiaries (Microsynth Austria and Microsynth SeqLab) have established a dense network of collection boxes in Switzerland, Austria and Germany over

the last years. **Now we are intending to extend our free, fast and convenient pick-up service also to other European countries.** If your lab or institute has a larger sequencing demand, please

contact us in order to discuss the establishment of a collection box close to you.