

24-HOUR SEQUENCING SERVICE

No time to waste? Opt for BaseClear's 24-hour sequencing service and receive reliable sequencing data as fast as possible.

BaseClear's 24-hour Sequencing service in short

- Samples received before 10 a.m. are sequenced directly. Sequence data will be delivered the next day before 10 a.m.
- Only applicable for purified samples of plasmid DNA or PCR products that have been sent in BaseClear vials in a Basebox.
- Sequence reactions are loaded onto our sequencers with a runtime corresponding to 550 or 1000 bases.
- Data analysis occurs automatically by PHRED, the international standard software for superior base calling and sequence data interpretation. There is no manual editing or reviewing of the quality of the sequence data.
- Rerun only upon request.
- Important: A completed order form should be sent to dna@baseclear.com at least one day in advance.

Quick Shot variant of the 24-hour Sequencing service

As cost-effective alternative to our 24-hour service, we offer the 24-hour Quick Shot sequencing service. For this service, the premixing of DNA and primer is done by the customer.

Options

24h short: Single sequencing reaction, read length up to 550 bp.

24h long: Single sequencing reaction, read length up to 1000 bp.

24h Quick Shot short: Single sequencing reaction on DNA samples premixed with primer, read length up to 550 bp. Data delivery within 24 hours.

24h Quick Shot long: Single sequencing reaction on DNA samples premixed with primer, read length up to 1000 bp. Data delivery within 24 hours.

GC-rich run: Additional charge for GC-rich samples. The sequencing reaction will be performed using a special sequencing kit.

Primers

Sequence reactions can be performed with the primer of your choice:

- Standard primer, provided by BaseClear free of charge (see the list on our website).
- Custom primer, sent with the order.
- Custom primer designed and/or synthesised by BaseClear (if ordered on forehand).
- Client-specific primer, which is already in house.

BASECLEAR

FOR 100% DNA RESULTS

Accredited service laboratory for

- DNA-based Research
- Quality Assurance
- Forensics



BaseClear offers services both for standard and specialist DNA Technologies, in the field of DNA sequencing, genome analysis, genotyping, DNA synthesis and protein expression.



BaseClear's technical team consists of experienced product specialists, who optimise experimental procedures in order to obtain optimal results.

BaseClear B.V.

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24-HOUR SEQUENCING SERVICE

You submit...

In general

- Plasmid DNA or PCR product, column-purified and dissolved in ultra pure water or 10 mM Tris (pH 8.0) in BaseClear vials.
- Please note that DNA samples should be free of RNA, EDTA and ethanol, since trace amounts of these compounds will disturb the sequence reaction.

For the normal 24-hour sequencing service:

- Normal plasmid samples should be submitted in a concentration of 20 ng/μl per kb DNA, in a total volume of minimal 30 μl.
- Normal PCR product samples should be submitted in a concentration of 2 ng/μl per 100 bp, in a total volume of minimal 30 μl.
- When sending in your own primer, the concentration should be 10 pmol/μl water, in a total volume of minimal 30 μl.

For the Quick Shot 24-hour sequencing service:

- For Quick Shot plasmid samples, submit 0,75 μg plasmid DNA mixed with 25 pmol of primer in a total volume of 20 μl.
- For Quick Shot PCR product samples, submit 15 ng per

100 bp PCR product with 25 pmol of primer in a total volume of 20 μl.

You receive...

- A full report of the sequencing reaction including sequence data in FASTA and SCF format, sent by e-mail
- Delivery time: 24 hours.

Procedure

Go to the ordering section of our website, choose the 24-hour sequencing service and follow the instructions. Send your samples to BaseClear in a Basebox in a padded envelop, **together with a completed order form**. Send samples containing purified DNA in **BaseClear vials**. Basebox and BaseClear vials can be ordered **for free** via info@baseclear.com.

In addition to the 24-hour sequencing service, BaseClear offers several other sequencing services.

This table provides an overview.

| | WE OFFER | | | | | | YOU SUBMIT | | |
|----------------------------------------------------------------------|------------------------------|-----------------|-----------------|-------------------------|------------------------------------|--------------------------------------|----------------|--------------|----------|
| | Repetition of failed results | DNA conc. check | Editing of data | Results within 24 hours | Distinction between long/short run | Primer design and synthesis included | Unpurified DNA | Purified DNA | Bacteria |
| Quick Shot Sequencing | | | | | | | | * | |
| Full sequencing | | | | | | | | | |
| 24-hour sequencing | | | | | | | | | |
| 24-hour Quick Shot | | | | | | | | * | |
| High Throughput | | | | | | | ** | ** | ** |
| Project Sequencing | | | | | | | | | |
| Special sequencing | | | | | | | | | |
| *Premix DNA and primer | | | | | | | | | |
| **Use 96- or 384 well plates | | | | | | | | | |
| Please use the table to find the service that best meets your wishes | | | | | | | | | |

FOR 100% DNA RESULTS