

# QUICK SHOT SEQUENCING SERVICE

The Quick Shot is the most cost-effective option in our sequencing services. The customer premixes DNA and primer and BaseClear performs the DNA sequencing reaction.

## BaseClear's Quick Shot sequencing service in short

- DNA purification and premixing of DNA and primer is done by the customer. Sequence reactions are loaded onto our sequencers with a run-time corresponding to 550 or 1000 bases.
- Data analysis occurs automatically by PHRED, the international standard software for superior base calling and sequence data interpretation. No manual data editing.
- Rerun only upon request.
- Delivery time: 3 working days

## High throughput Quick Shot sequencing service

Our high throughput sequencing facility allows us to process large sample quantities. Samples should be delivered in 96- or 384-plates. In each plate, well H12 should be kept empty for our sequencing control. Just as for the normal Quick Shot Sequencing Service, all samples should be premixed with primer.

## Fast Quick Shot sequencing Service, results within 24 hours

For urgent matters it is possible to make use of our 24-hour Quick Shot sequencing service. Samples that we receive before 10 a.m. will be sequenced directly. Sequence data will be delivered the next day before 10 a.m.

**Important:** A completed order form should be sent to [dna@baseclear.com](mailto:dna@baseclear.com) at least one day in advance, 24 hour with primer QS.

## Options

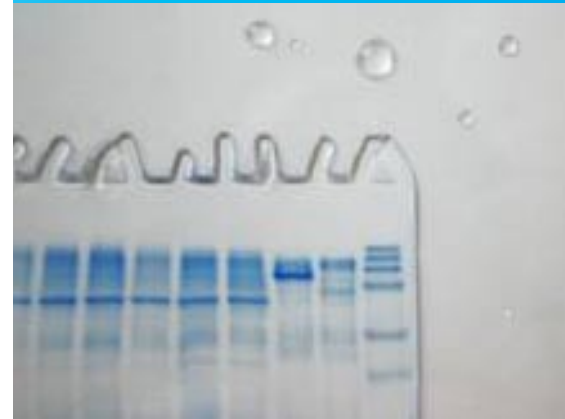
- **Quick Shot Short:** Single sequencing reaction on DNA samples premixed with primer, read length up to 550 bp.
- **Quick Shot Long:** Single sequencing reaction on DNA samples premixed with primer, read length up to 1000 bp.
- **HT Quick Shot Short:** Single sequencing reaction on DNA samples in multiwell plates, premixed with primer, read length up to 550 bp.
- **HT Quick Shot Long:** Single sequencing reaction on DNA samples in multiwell plates, premixed with primer, 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 modified sequencing kit.

# 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.

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## FOR 100% DNA RESULTS

[WWW.BASECLEAR.COM](http://WWW.BASECLEAR.COM)

## QUICK SHOT SEQUENCING SERVICE

### You submit ...

- Purified plasmid or PCR product, premixed with primer in special BaseClear vials or 1,5 ml Eppendorf tubes, or 96- or 384-well plates. In multiwell plates, well H12 should be kept empty for our sequencing control.
- The DNA has to be column-purified and dissolved in ultra pure water or 10 mM Tris (pH 8.0). Please note that DNA samples should be free of RNA, EDTA and ethanol, since trace amounts of these compounds will disturb the sequence reaction.
- The primer should be optimised for DNA sequencing.
- For purified plasmid samples, submit 0,75 µg plasmid DNA mixed with 25 pmol of primer in a total volume of 20 µl (ultra pure water or 10 mM Tris, pH 8.0).
- For PCR product samples, submit 15 ng per 100 bp PCR product with 25 pmol of primer in a total volume of 20 µl (ultra pure water or 10 mM Tris, pH 8.0).

### Your receive ...

- A full report of the sequencing reaction, including sequence data in FASTA and SCF format.
- Upon request, the data can be sent by regular mail instead of email, with a CD-ROM containing the sequence data (additional costs).
- Delivery time: 3 working days.

### Procedure

Go to the ordering section of our website, choose the Quick Shot Service and follow the instructions. Send your samples to BaseClear in a Basebox in a padded envelop, **together with a completed order form**. Samples containing purified DNA should preferably be sent in **BaseClear vials**. Basebox and BaseClear vials can be ordered **for free** via [info@baseclear.com](mailto:info@baseclear.com).

In addition to the Quick Shot 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