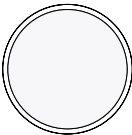







# Order instructions quick shot sequencing

## OPTION A: QUICK SHOT SEPARATE

### 1. SAMPLES

BACTERIA			PURIFIED DNA		RAW PCR PRODUCT
Petri dish	Agar stab	Glycerol stock on dry ice	Plasmid DNA 20 ng / $\mu$ l per kb DNA	PCR product 2 ng / $\mu$ l per 100bp	min 15 $\mu$ l PCR per product
					
Note: Do not send more than 2 samples per petri dish			Final volume: min 30 $\mu$ l (add ultra pure water of 10mM Tris (pH8.0))		

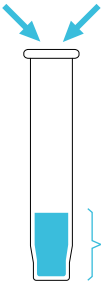
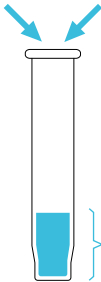
#### Notes

- Samples can be send in using our free BaseBox service
- DNA preferably column purified dissolved in water or 10mM Tris pH8.0.
- DNA samples should be free of EDTA and ethanol since trace amounts of these compounds will inhibit the sequence reaction.
- 2  $\mu$ l of the PCR product on agarose gel should give a single clear and sharp band.

### 2. PRIMERS

STANDARD PRIMER	CUSTOM PRIMER	CLIENT-SPECIFIC PRIMER	TO BE SYNTHESISED
Provided by BaseClear free of charge	Sent with your order, 10 pmol/ $\mu$ L in minimal volume of 20 $\mu$ L	Your custom primer, already stored at BaseClear	Submit primer sequence, additional costs and one day extra delivery time

## OPTION B: QUICK SHOT PREMIX

PURIFIED PLASMID DNA	PURIFIED PCR PRODUCT
0,75 $\mu$ g plasmid DNA	15 ng DNA/ 100 bp
25 pmol primer	25 pmol primer
	
Make up to a final volume of 20 $\mu$ l with ultra pure water or 10 mM Tris (pH 8.0)	Make up to a final volume of 20 $\mu$ l with ultra pure water or 10 mM Tris (pH 8.0)

## CREATE ONLINE ORDER

Create your order using our convenient online portal <https://orders.baseclear.com>. Print the generated order form to send with your samples

96-Well Sequencing  
035921

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Project Name: \_\_\_\_\_  
Sample Name: \_\_\_\_\_  
Sequencing Method: \_\_\_\_\_  
Sequencing Length: \_\_\_\_\_  
Sequencing Run: \_\_\_\_\_

This form contains the following options to view or modify your results:  
+ view results online

Consent to publish results and conditions of service (Y/N): \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

To be filled out by BaseClear:  
Project Code: \_\_\_\_\_  
Date of Publication: \_\_\_\_\_

For the General Terms and Conditions apply to all projects, BaseClear terms and conditions can be downloaded from our website. Please send your samples to:  
BaseClear B.V.  
Sylviusweg 74  
2333 BE Leiden  
The Netherlands

BaseClear B.V.  
Sylviusweg 74  
2333 BE Leiden  
The Netherlands  
T +31 (0)71 523 39 17  
F +31 (0)71 523 39 17  
www.baseclear.com  
info@baseclear.com

## WE PERFORM

- Optional plasmid isolation (miniprep) or PCR product purification with Quick Shot separate
- Sequencing run on ABI 3730(XL) DNA Analyzer
- Data analysis by KB caller, for superior base calling and sequence data interpretation

## YOU RECEIVE

- Data within 1-2 working days
- Results provided via secure online portal
- E-mail notification when results are ready to download
- Full report, including sequence data in FASTA, SCF and ABI format.
- Sequence length of up to 1100 bp (long run) or 550 bp (short run)
- Sequence runs are reviewed manually by our specialists
- One re-runs (if needed) included

## STANDARD PRIMER LIST

NAME	PRIMER SEQUENCE
3-AOX1	GCAAATGGCATTCTGCATATCC
5-AOX1	GACTGGTTCCAATTGACAAGC
AmpL1	ACAGTCCAGTTACGCTGGAGTC
AmpR1	CTTTCTGCTATGGAGGTCAGGTATG
attL1-Fw	ACTTAAGCTCGGGCCCCAAA
attL2-Rv	TGTAACATCAGAGATTTTGAGACA
BGH2	GAAC TAGAAGGCACAGTCGAGG
CMV-fw2	CGGTGACGGTGGGAGGTCT
MF	TTTCCAGTCACGACGTTG
MF (-47)	CGCCAGGGTTTTCCAGTCACGAC
MF-20i	GTAAACGACGGCCAG
MR	GGATAACAATTCACACAGG
MR-invirogen	CAGGAACAGCTATGACC

NAME	PRIMER SEQUENCE
pBAD Forward	ATGCCATAGCATTTTTATCC
pBAD Reverse	GATTTAATCTGTATCAGG
pDonR F1T	CGCGTTAACGCTAGCATGGATCTC
pDonR R1	GTAACATCAGAGATTTTGAGACAC
pECFP-C1-FW	CAAAGACCCCAACGAGAAGC
pECFP-C1-RV	CATTCATTTTATGTTTCAGGTTCA
pGEX forward	ATAGCATGGCCTTTGCGAGG
pGEX reverse	GAGTGCATGTGTCCAGAGG
poly-A	TTTTTTTTTTTTTTTTTTTTTV
pQE60-FW	CCCGAAAAGTGCCACCTG
pQE60-Rv	GTTCTGAGGTCATTACTGG
pRSforward	CCCTTGAACCTCCTCGTTGACC
pRSReverse	GAGACGTGCTACTTCCATTTGTC

NAME	PRIMER SEQUENCE
pRSseq	GCTGACGTCATCAACCCGCT
pTrcHis Forw.	GAGGTATATATTAATGTATCG
pTrcHis Rev.	GATTTAATCTGTATCAGGCTG
SL1C	AGTCCAGTTACGCTGGAGTC
Sp6i	GATTTAGGTGACACTATAG
SR2	GGTCAGGTATGATTTAAATGGTCAGT
T3ext.	AATTAACCCCTCACTAAAGGG
T3i	AATTAACCCCTCACTAAAG
T7	TAATACGACTCACTATAGGG
T7-R	GCTAGTTATTGCTCAGCGG
Tk PolyA Rev	CTTCCGTGTTTCAGTTAGC

## ABBREVIATIONS SANGER SEQUENCING

HS	High signal	EC	Echo signal after a stretch
LS	Low signal	BP	Broad peaks at the end
NO	No signal	BG	Background signal
SD	Signal drop	SP	Spike in the sequence
SS	Signal stop	ST	Stretch in the sequence
DS	Double signal	R	Reaction will be repeated
DB	Double signal at the start	X	Reaction will not be repeated
DE	Double signal at the end		