

Date / ref.: SEQ-2012-03-29\_OneShot&Economy

## Capillary Sequencing Service

### “One Shot” & Economy Protocols

#### **Introduction:**

Protocol for DNA sequencing using Sanger protocol and BigDye 3.1.

Specific requirements for OneShot or Economy protocols (does not apply to Standard Service).

- **OneShot**  
Samples provided according to specific requirements (see below).  
In contrast to Standard Service, all reactions are charged (no repeats).  
Sequences are manually verified and quality control comment provided for each sequence when necessary.  
Difficult templates: special protocols are not available for “One Shot” sequencing.
- **Economy**  
Samples provided according to requirements (see below).  
In contrast to Standard Service, all reactions are charged, one free repeat upon request.  
No manual verification of the sequences.  
Difficult templates: special protocols are not available for “Economy” sequencing.

Our read lengths are typically 900 bases and may reach 1000 bases for optimal template and primer.

Free pickup in Geneva. For mail, pre-paid A-post stickers available.

Custom support.

#### **Requirements:**

For each reaction, we need **5 uL** of sample containing:

**5 uL template DNA with 0.5 uL primer at 10 uM**  
(100 femtomols template DNA with 5 picomols primer)

#### **Template DNA**

100 femtomols template DNA:

- **250-500 ng** of plasmid DNA
- **1 ug** for large plasmids, cosmids or BACs
- **a visible band** of PCR product or 10-200 ng (approx. 2 ng per 100 bp)

As the DNA template is one of the main factors influencing sequence quality, it should be purified using commercial kits.

It should be provided in distilled water (or Tris), free of EDTA and other salts, proteins, RNA, or genomic DNA.

PCR products have to be purified from reaction buffer, primers and nucleotides. They must appear as single band in an agarose gel.

#### **Primer**

5 picomols primer.

- **0.5 uL** per reaction of **10 uM primer**.

If at least 5 reactions are to be performed with the same primer, we can add it to the sequencing mix: specific primers should be supplied separately at 10 uM, [standard primers](http://www.fasteris.com/seq/primers.html) available at FASTERIS are listed at <http://www.fasteris.com/seq/primers.html>.

We can keep your specific primers for further use, free of charge.

## Plates and strips

Samples must be provided in 8, 24, 48 or 96-wells plates **with Flat Caps Strips**.

We only accept the following plates:

### PLATES PROVIDED BY FASTERIS\*

**FrameStar**, 96-wells plate that can be broken into columns of 8 wells, 4titude, cat No 4ti-1000/B

**FrameStrip**, 8-wells rigid strips, 4titude, cat No 4ti-0786/B

### OTHER ACCEPTED PLATES

**ThermoFast 48**, AB-GENE, cat. No AB-0648  
 (these plates can be split in groups of 3 x 8-wells strips)

**ThermoFast 96** non-skirted, AB-GENE, cat. No AB-0600

**Flat Cap Strip**, AB-GENE, cat. No AB-0784

\* Plates provided upon request for prepaid reactions and for all Geneva customers.

Samples must be placed in **columns**, *i.e.* A1, B1, C1...H1, A2, B2,...

	1	2	3	4	5	6	7	8	9	10	11	12
A	A1	A2										
B	B1	B2										
C	C1	C2										
D	D1											
E	E1											
F	F1											
G	G1											
H	H1											

To avoid any confusion, we ask you to label the strip or plate with your client code and to mark the first filled well, for example with a dot on the cap.

Please note that Fasteris takes no responsibility for the results if the plate is not correctly filled in and labeled.

## Shipping

Samples can be sent at room temperature in a bubble envelope.

Free pick-up in Geneva. Place your samples in a plastic bag on your lab's door.

When sending by post, free pre-paid stickers for priority "A" mail are available.

Shipping address:

FASTERIS SA  
 Capillary Sequencing Services  
 Case postale 28  
 CH-1228 Plan-les-Ouates

Tel: +41-22-794 22 42  
[sequencing@fasteris.com](mailto:sequencing@fasteris.com)

**Prices:**

<b>OneShot</b>	<b>Discount</b>	<b>Price per reaction (CHF)</b>	<b>Prepayment</b> (3% additional discount)
		<b>15.00</b>	14.55
Over 25 per month	5%	<b>14.25</b>	13.82
Over 50 per month	10%	<b>13.50</b>	13.10
Over 100 per month	15%	<b>12.75</b>	12.37
Over 500 per month	20%	<b>12.00</b>	11.64
Over 1000 per month	25%	<b>11.25</b>	10.91

<b>Economy</b>	<b>Discount</b>	<b>Price per reaction (CHF)</b>	<b>Prepayment</b> (3% additional discount)
		<b>14.00</b>	13.58
Over 25 per month	5%	<b>13.30</b>	12.90
Over 50 per month	10%	<b>12.60</b>	12.22
Over 100 per month	15%	<b>11.90</b>	11.54
Over 500 per month	20%	<b>11.20</b>	10.86
Over 1000 per month	25%	<b>10.50</b>	10.19

**Editing**

Manual editing of the sequences is charged CHF 5.- per sequence.

**Prepayment:** Minimum CHF 500.-, 3% additional discount.

**Results delivery:**

Results are normally sent by mail. For large orders, sequences are available for download on our secure server.

For Geneva customers, the sequencing results are delivered at 10h30 the day after pickup

For all other customers, the sequencing results are delivered at 16h when samples are received before 9h at Fasteris. Does not apply to very large orders.

For special protocols (low concentrated DNA, GC-rich, telomers...) results will be sent around noon the day after reception of the samples at Fasteris.

Prices and specifications are subject to change without notice

Prices are in Swiss Franc (CHF) excluding VAT.

For customers in Switzerland 8% VAT is charged, VAT is not charged for EXPORT.

Our General Terms and Conditions apply.

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