

Sequencing Service

Background

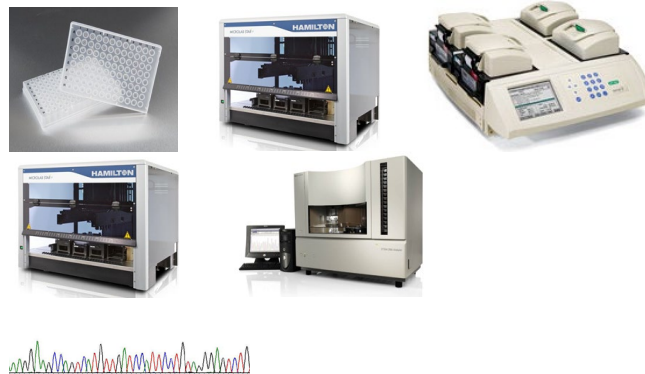
Our sequencing service offers a high throughput system, completely automated using two of the latest Applied Biosystems capillary DNA sequencers. The service uses paramagnetic bead technology and 384-well plates, allowing fast turnaround times. PCR products are submitted to the service and sequencing outputs are produced. There are four stages to the sequencing service – PCR clean-up (Ampure bead technology), sequencing set-up (using ABI Big Dye technology), sequencing clean-up (CleanSEQ bead technology) and running on the 3730 (1 x 48 and 1 x 96 capillary sequencers). All of our work is carried out using standard operating procedures, is fully auditable, and meets a high level of quality that is controlled and monitored.

Equipment / Products / Software used

- Hamilton Starlet robot
- Agencourt paramagnetic bead technology (Ampure and CleanSEQ)
- ABI Big Dye Terminator (BDT)
- ABI 3730 Genetic Analyser
- For quality control - Softgenetics Mutation Surveyor v3.24, ABI Sequence Scanner

Process

PCR product -> PCR Clean-up -> Sequencing Set-up -> Sequencing Clean-up -> Sequencing



Prices & Turnaround Times (TAT)

Element	TAT (working days)	Price
Run on 3730 only	2	Available on request
Full sequencing process	5	Available on request

Sample Requirements

M13-tagged PCR products only

Accept strip tubes or plates that are clearly labeled with associated sample spreadsheet (details provided on request)

Trial of service arranged on request

Contact Details

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Links

Hamilton

<http://www.hamiltoncompany.com/>

ABI

<http://www.appliedbiosystems.com/>

Softgenetics

<http://www.softgenetics.com/>