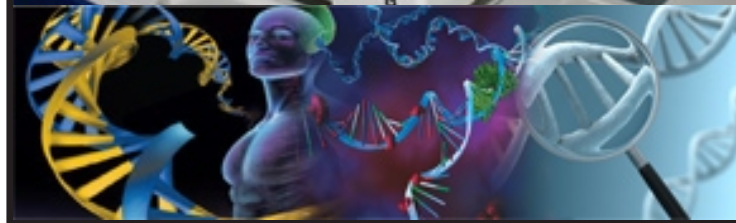
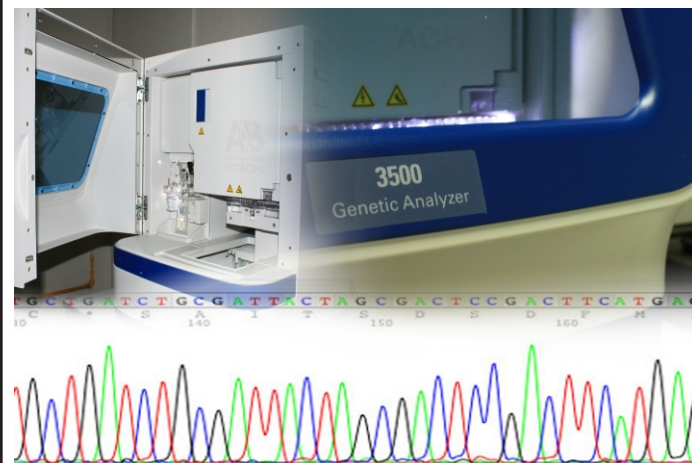


Results

Results can be delivered via email or CD in AB1,txt or FASTA format.

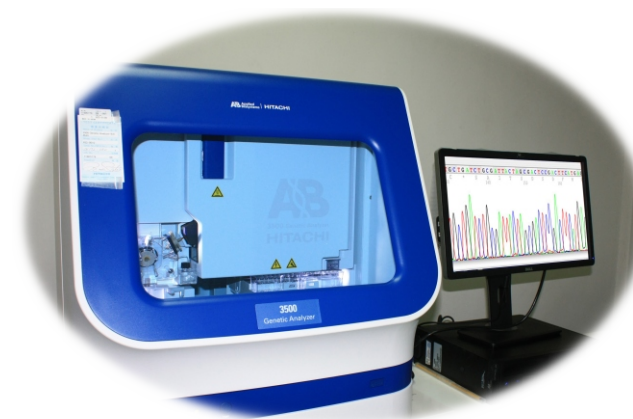
Contact

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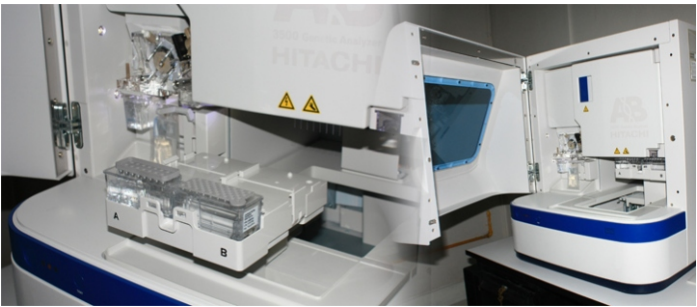


DNA Sequencing Service

Department of Molecular Biology & Biotechnology
Faculty of Science
University of Peradeniya



Department of Molecular Biology and Biotechnology at the Faculty of Science in University of Peradeniya provides DNA Sequencing Service to Researchers.



DNA Sequencing

We employ an ABI 3500 genetic analyser with 8-capillary system from Applied Biosystems® for sequencing. It combines Sanger sequencing technique and capillary electrophoresis to determine the DNA sequence. Sanger Sequencing is the most accurate, definitive method in identifying genetic variation, and Applied Biosystem’s capillary electrophoresis platforms are the industry standard, state of the art, reliable, efficient, and widely published technology for DNA sequence analysis.



Sample Submission

We accept PCR products and plasmids for sequencing. The quality of DNA is the most important factor in obtaining high quality sequence data. There should be a single clear band of the appropriate size when the sample is analyzed on an ethidium bromide stained agarose gel. Smearing or multi-bands can be causal factors of sequencing failures. To ensure proper concentration, please check your samples by electrophoresis prior to sending. We require purified PCR products or plasmids for sequencing. Please submit the DNA samples and the primer in **nuclease free** water. EDTA in TE buffer can inhibit polymerase in the sequencing reaction. We also offer gel purification of PCR products for an additional cost. Samples can be submitted in microcentrifuge tubes.



Sample Concentration and Quantity

Template	Concentration	Volume
PCR product		
100- 200 bp	0.5-1 ng/μl	10 μl
200- 500 bp	2-2.5 ng/μl	10 μl
500- 1000 bp	3-5 ng/μl	10 μl
1000- 2000 bp	6-10 ng/μl	10 μl
Plasmid DNA	60 ng/μl	15 μl

Primer		
	0.8 pmol/μl	6μl

Price

Service	Price
Sequencing purified sample	Rs. 1200/= per reaction
Template purification	Rs. 400/= per sample

