DNA SEQUENCING SERVICES

MOVING FAST TOWARD YOUR RESEARCH

บริษัท เอทีจีซี จำกัด
ATGC CO.,LTD

We provide DNA Sequencing service by using an effective and high accuracy instrument. This is the only one machine in Thailand. We have been serving to various universities, research institutes, including public and private hospitals.

Applied Biosystems 3730XL
96-capillary DNA Analyzer

ABI 3730XL DNA analyzer is the best instrument for DNA sequencing. Customer will obtain reliable and rapid results. Our company also provides universal primers for service. The length of read is more than 800 bp of QV20 guaranteed

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800 bp of QV20 guaranteed

Workflow

Order — Filling in order form & shipping samples to ATGC Co., Ltd.

Sequencing — Preparing & running sequencing reactions with the ABI 3730 xl DNA Analyzer

Data submission to customer — Data analysis & result submission to customer

Contact Us for Orders/Enquiries

WARD MEDIC Solution Provider
Tel : 02-3918000
E-mail : support@wardmedic.com

ATGC
E-mail : admin@atgc.co.th

Address:
A T G C Co; Ltd. 141 Thailand Science Park (TSP) INC2D Tower 3rd floor, Room 313-314 Phahonyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120

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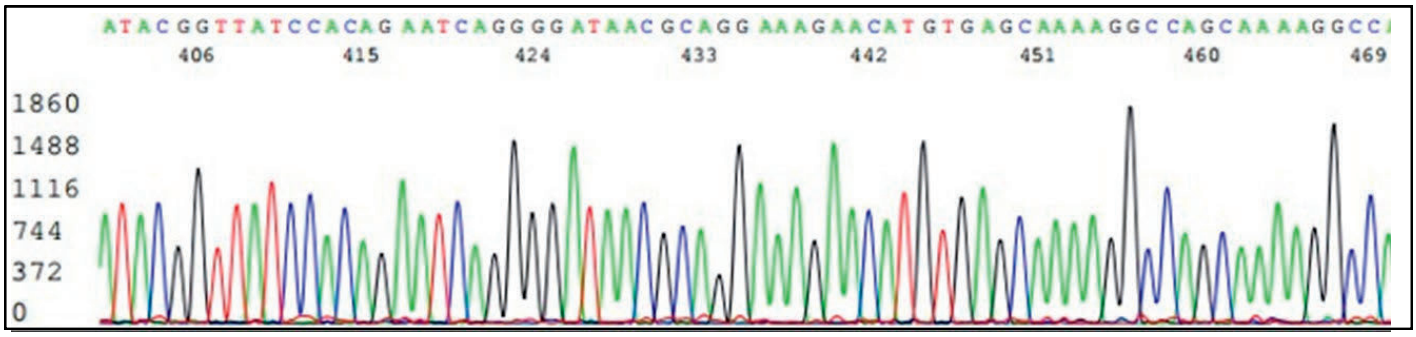
Sanger Sequencing Sevice

Sanger Sequencing is the chain termination method for determining the sequence of nucleotide bases in a piece of plasmid DNA or PCR product. This service provides up to 800 bp of QV20 guaranteed.

Features:

- No stipulation in minimum sample for shipping
- Read length: 800 bp
- Result delivery within 3-5 working days



Sample & Primer Preparation Requirements

Sample Type	Concentration	Minimum volume
Purified PCR product (90-250 bp)	10 ng/µl	10 µl/reaction in dH2O
Purified PCR product (251-500 bp)	20 ng/µl	
Purified PCR product (> 500 bp)	40 ng/µl	
Purified Plasmid/ Fosmid/ Cosmid/ Bacmid	100 ng/µl	
Purified M13/ Phagemid ssDNA	50 ng/µl	
Purified Genomic DNA	400 ng/µl	20 µl/reaction in dH2O
Unpurified PCR Products		50 µl/reaction in dH2O

Primer Type	Concentration	Minimum volume
Custom Primers	10 pmol/µl or 10 µM	10 µl/reaction in dH2O
Universal Primers	Provided by ATGC company	

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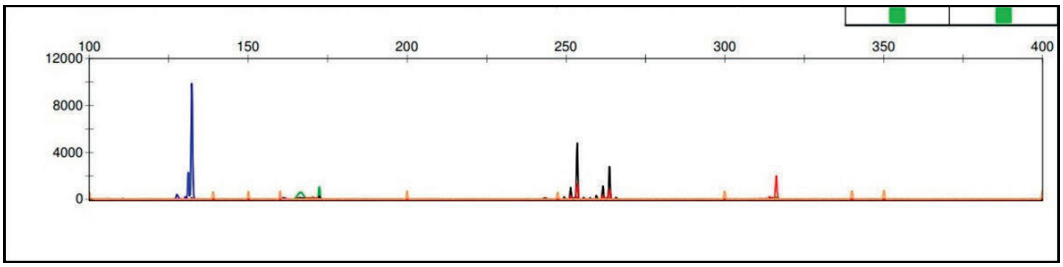
Fragment Analysis Service

Fragment analysis is a genetic analysis method comprising a series of techniques in which DNA fragments are fluorescently labeled. The important initial component of many genetic studies such as mutation detection, linkage, genetic diversity, and quantitative trait loci (QTL) mapping. Our experienced scientific teams are available to support your research.

Fragment analysis Plate (DS-33)

- PCR optimization & Analysis
- PCR amplification & Genescan

DYE SET	DS-33
Blue	6-FAM
Green	VIC
Yellow	NED
Red	PET
Internal Standard Size Marker (Maximum detection size)	500 LIZ (500 bp)
	600 LIZ (600 bp)



Additional Services

Sample Quantification

FREE

- Gel Electrophoresis / Optical density (OD) measurement

PCR amplification

- Condition optimization for PCR amplification
- PCR amplification with provided PCR condition

DNA Barcoding

- PCR amplification
- Clean-up
- DNA Sequencing
- Analysis Report

Primer Design & Synthesis

- Single Primer
- Forward and Reverse Primers
- Custom Oligos Synthesis

Data Analysis

- Data Alignment
- Blast
- Phylogenetic Trees

Sample Purification

- PCR Clean-up
- Gel Extraction

cDNA Synthesis

- Customer provides RNA template (Total RNA)