



MASSEY UNIVERSITY
COLLEGE OF SCIENCES
TE WĀHANGA PŪTAIAO

MASSEY GENOME SERVICE

**Sanger Sequencing and Genotyping
using Life Technologies 3730
capillary instrumentation
Operational since 2003**

SERVICE OUTLINE AND PRICE LIST FEBRUARY 2019



SERVICE INCLUDES

**Guaranteed data delivery
Fast turnaround times
Free Courier Service within New Zealand
Quality data**

**Enquiries regarding service outline and pricing contact:
Xiaoxiao Lin – Laboratory Manager**



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MASSEY GENOME SERVICE (MGS)

Sanger Sequencing & Genotyping using ABI3730
Capillary Instrumentation

SERVICE OUTLINE & PRICE LIST

Effective 1st March 2019

Prices in New Zealand dollars and excludes G.S.T

SERVICE TYPE	PRICES (excluding G.S.T)	TURNAROUND TIME (From Receipt of Sample/s)
Sequencing		
Full Sequencing Service (Plasmids/PCR Products)	\$10.50	2 working days
Full Sequencing Service (Cosmids, fosmids and BACs)	\$16.00	1 working day
Full Sequencing Service (Bacterial Genomic DNA)	\$27.50	1 working day
Capillary Separation Service	\$7.00	1 working day
Plate Service	\$450.00 per plate	1 working day
Capillary Separation Service with reaction clean-up	\$7.50	1 working day
Plate Service with reaction clean-up	\$525.00 per plate	1 working day
Genotyping		
Capillary Separation Service	\$7.50	1 working day
Plate Service	\$420.00 per plate	1 working day

CONSUMABLES	PRICES (excluding G.S.T)
BigDye® Terminator v3.1 – 80µl vial*	\$210.00
BigDye® Terminator v3.1 – 800µl vial*	\$2100.00
POP-7 polymer – 28mL bottle	\$1550.00
Overnight courier with dry ice#	\$35.00
Overnight courier with ice pack#	\$25.00

NOTES:

* Customers using the **Sequencing Capillary Separation Service** and **Sequencing Plate Service**, can purchase BigDye® Terminator v3.1 from the Massey Genome Service. Please contact our service for purchasing.

Charges apply to customers who requires the consumables to be delivered using overnight courier. Please make sure a purchase order for the courier service is sent with the sequencing request.

SEQUENCING SAMPLE REQUIREMENTS

FULL SEQUENCING SERVICE

TEMPLATE TYPE	TEMPLATE QUANTITY	PRIMER QUANTITY	FINAL VOLUME REQUIRED#
PCR PRODUCT			
100-200bp	1.25-5ng	4.0pmol	20µl if using your own primer
200-500bp	5-12.5ng		
500-1000bp	12.5-25ng		19µl if using MGS primer
1000-2000bp	25-50ng		
>2000bp	50-125ng		
Single-stranded Plasmid	62.5-125ng	4.0pmol	20µl if using your own primer 19µl if using MGS primer
Double-stranded Plasmid	250-625ng	4.0pmol	20µl if using your own primer 19µl if using MGS primer
Cosmid, BAC DNA, and Lambda DNA	0.625-1.25ug	6.4pmol	20µl if using your own primer 18µl if using MGS primer
Bacterial Genomic DNA	2.5-3.75ug	6.4pmol	20µl if using your own primer 18µl if using MGS primer

Add deionized water to make the template/primer mix up to the required volume.

For the **Full Sequencing Service** please send your template and primers premixed in 0.2ml individual PCR tubes or 0.2ml strip tubes.

CAPILLARY SEPARATION AND PLATE SERVICES

Please follow the guide lines above for template quantity and primer concentrations. For the two **Capillary Separation Services** please supply the samples in 0.2ml individual PCR tubes, or 0.2ml strip tubes.

GENOTYPING SAMPLE REQUIREMENTS

CAPILLARY SEPARATION AND PLATE SERVICES

For the **Capillary Separation Service**, please provide the pooled reactions in a volume of 1ul, in either 0.2ml individual PCR tubes or 0.2ml strip tubes. For the **Plate Service**, please provide the pooled reactions in a volume of 1ul, in a 96 well plate.

Te Kunenga
ki Pūrehuroa

Massey Genome Service

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<http://genome.massey.ac.nz>