



MASSEY UNIVERSITY
COLLEGE OF SCIENCES
TE WĀHANGA PŪTAIAO

MASSEY GENOME SERVICE

**Sanger Sequencing and Genotyping
using Life Technologies 3730 and 3500XL
capillary instrumentation
Operational since 2003**

SERVICE OUTLINE AND PRICE LIST **March 2025**



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 and ABI3500XL
Capillary Instrumentation

SERVICE OUTLINE & PRICE LIST

Effective 1st March 2025

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)	\$12.00	2 working days
Full Sequencing Service (Cosmids, fosmids and BACs)	\$19.00	2 working days
Full Sequencing Service (Bacterial Genomic DNA)	\$33.00	2 working days
Capillary Separation Service	\$8.00	2 working days
Plate Service	\$520.00 per plate	2 working days
Capillary Separation Service with reaction clean-up	\$9.00	2 working days
Plate Service with reaction clean-up	\$610.00 per plate	2 working days
Genotyping		
Capillary Separation Service	\$9.00	2 working days
Plate Service	\$630.00 per plate	2 working days

CONSUMABLES	PRICES (excluding G.S.T)
BigDye® Terminator v3.1 – 80µl vial*	\$240.00
BigDye® Terminator v3.1 – 800µl vial*	\$2400.00
POP-7 polymer – 28mL bottle	\$1900.00
Overnight courier with dry ice†	Please email for availability and prices
Overnight courier with ice pack#	\$70.00

NOTES:

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

† There is limited access to dry ice, please email x.x.lin@massey.ac.nz for availability and prices to ship with dry ice using New Zealand Couriers.

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.

Please find more details on "Template and primer concentration requirements" page:

<https://www.massey.ac.nz/about/clinics-and-services-for-the-public/massey-genome-service/applied-biosystems-inc-abi-sequencing-and-genotyping-services/abi-sequencing-service-technical-information/#Templateandprimerconcentrationrequirements>. The "Example of requirements" paragraph is helpful for preparing the correct template/primer premix.

CAPILLARY SEPARATION AND PLATE SERVICES

Please follow the guidelines 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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<https://www.massey.ac.nz/about/clinics-and-services-for-the-public/massey-genome-service/>