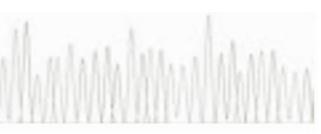


MASSEY GENOME SERVICE

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



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.

 $[\]dagger$ There is limited access to dry ice, please email $\underline{x.x.lin@massey.ac.nz}$ 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 200-500bp 500-1000bp 1000-2000bp >2000bp	1.25-5ng 5-12.5ng 12.5-25ng 25-50ng 50-125ng	4.0pmol	20µl if using your own primer 19µl if using MGS primer
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: <a href="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

Private Bag 11222, Palmerston North 4442, New Zealand Lab +64 6 951 8735 Office +64 6 951 9080 https://www.massey.ac.nz/about/clinics-and-services-for-the-public/massey-genome-service/