



**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** March 2024



### **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 1<sup>st</sup> March 2024

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

SERVICE TYPE	PRICES (excluding G.S.T)	TURNAROUND TIME (From Receipt of Sample/s)
<b>Sequencing</b>		
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
<b>Genotyping</b>		
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#	\$70.00
Overnight courier with ice pack#	\$60.00

**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.

# 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#
<b>PCR PRODUCT</b>			
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 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/>