

2024 WRH Core Facility User Fees



Fees have been calculated using a cost recovery method and are intended to offset the cost of operating the facilities. This cost recovery model will ensure continued investment into these facilities, bringing researchers at Westmead world class technology to conduct their research.

This document is for researchers to use for grant applications in 2024. In December 2023, fees will be increased by the CPI rate and then rounded up to the nearest 10c after the increase has been applied. Please include the CPI increase in your budget costs related to the 2024 and 2025 budget.

The fee schedule below is for INTERNAL USERS ONLY.

WESTMEAD BIOBANK

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Team:	Karena Pryce - Westmead Biobank Manager Dr Ya Wang - Biobank Specialist

Equipment / Services	Description	Training	Measure	Fee	Measure
Specimen Receipt ¹	Biobank staff pick-up from clinical collection point on campus			20.7	per collection
	Delivered to WIMR by courier			11.5	per delivery
	Delivered to Biobank lab in person			0.0	not applicable
Blood processing (includes data entry)	Blood fraction aliquots (whole blood/buffy coat/plasma/serum)			20.0	per sample
	Extra aliquots			1.0	per aliquot
	Blood spot card			5.8	per card
PBMC Processing	PBMC (Sepmate Protocol, 90% FBS + 10% DMSO)			40.0	per sample
	Extra aliquots			5.0	per aliquot
Tissue processing	Snap-frozen in LN ₂			13.8	per sample
	Formalin-fixed			7.0	per sample
DNA/RNA Extraction ²	QIAamp DNA Blood Maxi Kit (3-10ml)			26.2	per sample
	QIAamp DNA Blood Midi Kit (0.3-2 ml)			14.9	per sample
	QIAamp DNA Blood Mini Kit (1-200 µl)			12.7	per sample
	QIAGEN RNeasy Plus mini kit (cells and tissue samples)			91.3	batch 1-4
	DNA/RNA extraction – other kits or sample types			60.5	per hour

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Equipment / Services	Description	Training	Measure	Fee	Measure
DNA/RNA Quantitation	Optimization of protocol			60.0	per hour
	Qubit 4 Fluorometer			3.5	per sample
	Spectrophotometer			3.5	per sample
Histology Services	Tissue microarray (TMA) construction			60.5	per hour
	FFPE sectioning (first slides)			10.3	per slide
	FFPE sectioning (subsequent slides)			4.7	per slide
Freezer -80oC Freezer ³	SBS box format – 1 tray (≤ 7 boxes; 672 vials)			65.0	tray per year
	SBS box format – 1 rack (≤ 42 boxes; 4,032 vials)			380.0	rack per year
	SBS box format – 1 shelf (≤ 294 boxes; 28,224 vials)			1,800.0	shelf per year
	2" box format – 1 tray (≤ 5 boxes; 500 vials)			80.0	tray per year
	2" box format – 1 rack (≤ 25 boxes; 2,500 vials)			380.0	rack per year
	2" box format – 1 shelf (≤ 175 boxes; 17,500 vials)			1,800.0	shelf per year
Askion HS200 Automated Cryo	Temporary storage – 1 box (SBS or 2" box format)			11.1	box per month
	2D barcoded cryovials 1ml ⁴			2.1	sample per year
	2D barcoded cryovials 1.5ml ⁴			1.1	sample per year
	2D barcoded cryovials 4ml ⁴			0.9	sample per year
	Legacy samples			0.0	to be discussed
Controlled ambient	Slide cabinet – 1 drawer (≤ 380 slides)			29.7	drawer per year
	FFPE blocks – 1 drawer (≤ 280 blocks)			24.0	drawer per year
	Blood spot cards – 1 box (≤ 100 cards)			7.0	box per year
	Blood spot			0.1	card per year
Storage service ⁵	Specimen storage and inventory update			15.2	15min
	Specimen retrieval and inventory update			15.2	15min
Shipping	Coordination of dispatch or receipt of samples by courier			15.2	15min + courier
Equipment	Description	Training ⁶	Measure	Fee ⁷	
EpMotion	Automated liquid handling system	120.0	1 hour	23.2	per hour
Qubit Fluorometer	Measuring DNA, RNA and protein quantity	60.0	30 min		consumable only
Askion HS200 Automated Cryo ⁸	Automated cryostorage	120.0	1 hour	N/A	per hour

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Notes

- 1 Biobank staff are on-call to receive specimens from 8:30 AM to 5:00 PM, Monday–Friday. Special arrangements may be made for after-hours specimen receipt. Specimen receipt services include recording sample tracking data and log of receipts. Separate charges apply for consumables.
- 2 QIAGEN kits are used for the standard DNA/RNA extraction services listed. Customised extraction services can be arranged for different kits or sample types. Separate charges apply for consumables.
- 3 For -80°C freezers, a 10% discount will apply to annual storage fees after the first year of storage.
- 4 The Askion is configured to store a limited range of automation compatible cryovials – contact Westmead Biobank for a list of compatible cryovials.
- 5 The charge for storage/retrieval of specimens into/out of the biobank storage facility is waived when booked in conjunction with biobank processing services.
- 6 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 7 Assisted sessions are available with an additional cost at \$60.50 per hour.
- 8 The Askion is available for use. Training will only be provided to users who need frequent access. Please contact Biobank staff before submitting a training request.

WESTMEAD BIOINFORMATICS

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Team: Dr Brian Gloss - Advanced Bioinformatics Specialist

Equipment / Services	Description	Training	Measure	Fee	Measure
Training - Technique	Data manipulation and visualisation in R	241.8	per person	-	
	Nanostring analysis in R	241.8	per person	-	
	RNAseq	241.8	per person	-	
	scRNAseq	241.8	per person	-	
	T-cell receptor analysis	241.8	per person	-	
	ChIP-seq	241.8	per person	-	
	Accessing publicly available data	241.8	per person	-	
	Genome insert mapping	241.8	per person	-	
	Annotating gene lists	241.8	per person	-	
	Data manipulation and visualisation in R	241.8	per person	-	
	Nanostring analysis in R	241.8	per person	-	
Service ¹	Data analysis	-		60.5	per hour
	Experimental design	-		60.5	per hour

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Equipment / Services	Description	Training	Measure	Fee	Measure
Service ¹	Protocol testing or pilot study	-		60.5	per hour
Pipeline ²	RNAseq: Raw data to DE (<20 samples)	-		66.4	per hour
	scRNAseq: Raw data to DE (<20000 cells)	-		774.7	per run
Service - urgent ³ (refer to additional information at bottom)					

Notes

- ¹ Bioinformatics currently offers data analysis packages for genomics, cytometry, and proteomics.
Cost is dependent on project requirements and aims. Please see Advanced Bioinformatics Specialist for project-specific price estimates.
- ² Includes alignment, gene counts, basic QC and a comparison nominated by researcher. New pipelines under construction.
Cost is based on most common use cases – please contact us for requirement-based cost estimates.
- ³ Subject to staff availability.

WESTMEAD BIORESOURCES

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Team: Kim Hewitt - WBF Manager
Samantha Straube - Technical Officer

Equipment / Services	Description	Training ¹	Measure	Fee	Measure
Cage charge/week - mice	Standard rate (one change / week)			7.8	per cage/ week
	Immunocompromised rate (additional procedures required)			9.5	per cage/ week
	Biohazard rate (additional procedures required)			10.5	per cage/ week
	Extra requirements (additional cage change)			15.5	per cage/week
Cage charge/week - rat	Standard rate (one change / week)			10.3	per cage/ week
	Extra requirements (additional cage change)			15.5	per cage/ week
Basic services ²	Tissue collection, timed mating, euthanasia, weighing, monitoring etc.			60.5	per hour
	Additional mice cage change by staff			3.4	per cage
	Surplus equipment requests (additional caging, bottles, enrichment etc.)			60.5	per hour
	Ear marking			2.0	per mouse
	Any injections			2.0	per mouse
Equipment / Services	Description	Training ¹	Measure	Fee	Measure

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Equipment / Services	Description	Training ¹	Measure	Fee	Measure
Basic services ²	Import national			60.5	per hour
	Export national			60.5	per hour
	Animal order			60.5	per hour
	Animal transport request (between sites on campus)			60.5	per day
Equipment Services	Anaesthetic machine (included in the Mandatory Training Package) ³			3.6	per hour
	Promethion kit			15.3	per cage
	Metabolic cage system (mouse)			30.6	per row (4 cages)
	Metabolic cage system (rat)			34.6	per row (3 cages)
	All other equipment (thermacage)			60.5	per hour
Any other services	Weekdays			60.5	per hour
	Weekends/public holiday			105.2	per hour
Induction/Training	WBF mandatory training package			119.8	per person
	Other technique trainings			119.8	per hour

Notes

- 1 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 2 The service/training duration will be calculated in 15-minute segments.
- 3 Assisted sessions are available with an additional cost at \$60.50 per hour.

WESTMEAD CYTOMETRY

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Phone	+61 2 8627 1820
Team:	Suat Dervish - Cytometry, Imaging, & Electron Microscopy Manager Dr Edwin Lau - Advanced Flow Cytometry Specialist Dr Eve Diefenbach - Cytometry Specialist (Thursday and Friday)

Equipment	Description	Training ¹	Measure	Fee	Measure
Cell analyser	Analyser - simple (2 laser) – Canto/Cytoflex ²	240.0	2hr session	24.1	per hour
	Analyser - intermediate (3 laser) – Cantoll ²	240.0	2hr session	36.6	per hour
	Analyser - advanced (5 laser) – LSRII & Fortessa ²	240.0	2hr session	45.7	per hour
	Analyser - spectral – Aurora/Symphony	60.0	30 min	62.0	per hour

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Equipment	Description	Training ¹	Measure	Fee	Measure
Cell sorter – FACS	Sorter - ArialIII / Influx / Imaging (assisted)	N/A		90.2	per hour
Cell sorter – FACS	Sorter - ArialIII / Imaging (autonomous)	480.0	4hr multi-session	57.4	per hour
Cell sorter	Cell sorter setup	N/A		90.2	per sort
Cell sorter – magnetic	AutoMACS	60.0	30 min	33.3	per hour
Tissue dissociator	GentleMACS	60.0	30 min	7.0	per hour
Analysis	Analysis PC	60.5	per hour	2.3	per hour
Cell analyser	Analyser – <24hr cancellation			25% of booking	per cancellation
Cell sorter	Sorter – <24hr cancellation			90.2	per cancellation

Services	Description	Training ¹	Measure	Fee	Measure
3D Printing	Design/print + print material at cost			As per quote	
Multiplex Cytokine Testing	Sample preparation, acquisition and analysis.				

Notes

- 1 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 2 Single training required for simple, intermediate and advanced analyser access.

WESTMEAD ELECTRON MICROSCOPY

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Team:	Suat Dervish - Cytometry, Imaging, & Electron Microscopy Manager Urvashi Varsani (Tuesday to Friday) - Histology Specialist

Equipment	Description	Training ¹	Measure	Fee ²	Measure
TEM - Jeol/Hitachi	Transmission electron microscope	240.0	2hr session	48.0	per hour
Leica UC7/FC7	Cryo-ultramicrotome	240.0	2hr session	39.9	per hour
HHV BT150	Carbon coater	120.0	1hr session	12.7	per hour
FEI Vitrobot	Plunge freezing device	240.0	2hr session	48.0	per hour

Notes

- 1 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 2 Assisted sessions are available with an additional cost at \$60.50 per hour.

WESTMEAD GENOMICS

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Team:	Dr Joey Lai - Westmead Genomics Manager Dr David Zheng - Genomics Specialist

Equipment / Services ¹	Description	Training ²	Measure	Fee ³	Measure
Tapestation 4200	Microfluidic electrophoresis system	120.0	per hour	30.9	per hour
Nanostring nCounter PrepStation	Robotic liquid handling	N/A		30.9	per run
Nanostring nCounter Digital Analyzer	High resolution microscope	N/A		30.9	per run
Digital PCR Droplet Generator	Digital PCR Droplet Generator	120.0	per hour	47.7	per hour
QX200 Digital PCR Droplet Reader	Digital PCR Droplet Reader	120.0	per hour	47.7	per hour
NGS library preparation	NGS	60.5	per hour	N/A	
Data analysis	qPCR, ddPCR, Nanostring, Tapestation, STR	60.5	per hour	N/A	

Services ¹	Description	Training ²	Measure	Fee ³	Measure
DNA/RNA QC	Tapestation			12.7	per sample
NGS Library Preparation DNA	DNA Library Prep for WGS or amplicon sequencing			100.0	per sample
	Target enrichment library prep			200.0	per sample
NGS Library Preparation RNA	Stranded mRNA Library Prep (\$ based on 48 samples)			114.6	per sample
	Stranded Total RNA with Ribozero depletion Library Prep (\$ based on 20 samples)			215.3	per sample
	Low input RNA Library Prep (eg Smartseq) (\$ based on 96 samples)			200.5	per sample
Custom NGS or genomic procedures	Non-standard procedures (eg single cell and spatial transcriptomics) ⁵			60.5	per hour
NGS Packages (all steps)	Human/mouse WGS package (minimum 12 samples, 30x coverage) ⁴			1,100.0	per sample
	Target enrichment DNA package (minimum 12 samples) ⁴			476.0	per sample
	mRNAseq package (minimum 48 samples, 20M reads/sample) ¹⁴			308.4	per sample
	Total RNAseq package (minimum 20 samples, 50M reads/sample) ⁴			479.8	per sample
	Microbial WGS sequencing ⁵			Variable	
Targeted gene expression profiling	Gene expression assay (12 samples per cartridge)			238.3	per cartridge
	miRNA expression assay (12 samples per cartridge)			387.7	per cartridge

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Notes

- 1 All service charges include service fee and consumable costs.
- 2 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 3 Assisted sessions are available with an additional cost at \$60.50 per hour.
- 4 Cost/sample will be higher for smaller sample numbers. Project specific pricing will be calculated on request.
- 5 Cost is dependent on project requirements and aims. Please see Genomics Manager for project specific pricing.

WESTMEAD HISTOLOGY

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Team: Li Ma - Westmead Histology Manager
 Urvashi Varsani (Tuesday to Friday) - Histology Specialist

Equipment	Description	Training ¹	Measure	Fee ²	Measure
Coverslipper CTM6	Automatic coverslipping ³	120.0	per hour	N/A	
Cryostat HM505	Cryostat	120.0	per hour	22.9	per hour
Cryostat Nx70	Cryostat	120.0	per hour	22.9	per hour
Decloaking Chamber NxGen	Steamer for antigen retrieval	120.0	per hour	7.0	per hour
Microtome Core/User	Microtome	120.0	per hour	17.2	per hour
PrintMate AS	Cassette writer ³	120.0	per hour	N/A	
SlideMate AS	Slide writer ³	120.0	per hour	N/A	
Beecher Tissue Arrayer	Tissue microarrayer	120.0	per hour	N/A	
Tissue Embedder	Tissue embedder ⁴	120.0	per hour	No charge	

Technique Training	Description	Training ¹	Measure	Fee ²	Measure
Technique	Macroscopic tissue cut up	120.0	per hour	N/A	
	Histological staining procedure	120.0	per hour	N/A	

Services	Description	Training ¹	Measure	Fee ²	Measure
Project support	Pilot study ⁵			60.5	per hour
	Protocol testing ⁵			60.5	per hour
Tissue processing	Tissue processing and embedding			7.0	per sample

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Services	Description	Training ¹	Measure	Fee ²	Measure
Microtomy (>100 slides, 10% off; >150 slides, 20% off)	FFPE sectioning (Diagnostic lab block or TMA block) – 1st slide ⁵			9.8	per slide
	FFPE sectioning (Diagnostic lab block or TMA block) – subsequent slide ⁵			4.5	per slide
	FFPE sectioning (WIMR histology block) – 1st slide ⁵			6.6	per slide
	FFPE sectioning (WIMR histology block) – subsequent slide ⁵			3.3	per slide
Cryosectioning	Frozen tissue set up			11.0	per sample
	Cryosectioning			5.0	per slide
TMA construction	Design and preparation			60.0	per project
	TMA construction (for 1 TMA block of 100 cores)			383.0	per TMA block
Histological staining	Hematoxylin and Eosin ⁶			4.8	per slide
	Periodic Acid Schiff's (PAS)			3.5	per slide
	Picro Sirius Red			4.8	per slide
	Sirius Red with Fast Green			4.7	per slide
	Gomori Trichrome			4.8	per slide
	van Gieson's			4.8	per slide
	Oil Red O			3.5	per slide
	Perl's Iron			3.5	per slide
Coverslipping	Coverslipping by staff			1.3	per slide
Notes					
1	Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.				
2	Assisted sessions are available with an additional cost at \$60.50 per hour.				
3	Cost refers to service table or consumable charge in WIMR PPMS.				
4	Only apply to the specimens processed at Westmead Histology.				
5	Consumables not included.				
6	Do it yourself options are available, please refer PPMS for the consumable cost.				

WESTMEAD IMAGING

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Team:	Suat Dervish - Cytometry, Imaging, & Electron Microscopy Manager Dr Hong Yu (Monday to Wednesday) - Advanced Imaging Specialist Dr Hui Zhang - Advanced Imaging Specialist

Equipment / Service ¹	Description	Training ²	Measure	Fee ³	Measure
Image analysis computer	Windows or Linux OS with assorted imaging software	N/A		14.9	per hour
Image analysis computer - offpeak	installed	N/A		4.8	per hour
Image analysis computer – cloud	Cloud delivered computer	N/A		20.0	per hour
Stellaris DLS	Laser scanning confocal microscope + light sheet	180.0	150 min	48.0	per hour
Stellaris DLS - off peak	Laser scanning confocal microscope + light sheet	N/A		14.5	per hour
Olympus VS200	Automated slide scanner (Fluo + BF)	180.0	150 min	35.5	per hour
Olympus VS200 - off peak	Automated slide scanner (Fluo + BF)	N/A		10.4	per hour
Deltavision	Deconvolution fluorescence microscopy	180.0	150 min	48.0	per hour
Deltavision - off peak	Deconvolution fluorescence microscopy	N/A		14.5	per hour
Lecia SP5 confocal microscope	Laser scanning confocal microscope	180.0	150 min	48.0	per hour
Lecia SP5 confocal microscope - off peak	Laser scanning confocal microscope	N/A		14.5	per hour
Olympus BX53/DP80	Widefield fluorescence microscope	120.0	60 min	36.6	per hour
Zeiss Live Cell Imaging	Widefield fluorescence microscope	120.0	60 min	36.6	per hour
Zeiss Live Cell Imaging - off peak	Widefield fluorescence microscope	N/A		11.1	per hour
JuliBr (in-incubator)	Brightfield live cell imaging	120.0	60 min	9.3	per hour
JuliBr (in-incubator) - off peak	Brightfield live cell imaging	N/A		2.5	per hour

Notes

- 1 Peak: 9am–5pm Mon–Fri; Off peak: 5pm–9am Mon–Fri, weekends and public holidays.
- 2 Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- 3 Assisted sessions are available with an additional cost at \$60.50 per hour.

WESTMEAD PRECLINICAL IMAGING

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Team:	Dr Hui Zhang - Advanced Imaging Specialist Dr Hong Yu (Monday to Wednesday) - Advanced Imaging Specialist Suat Dervish - Cytometry & Imaging Manager

Equipment / Service	Description	Training ¹	Measure	Fee ²	Measure
IVIS Lumina X5	Optical & X-ray imager	180.0	90 mins	55.4	per hour

Notes

- ¹ Re-training is required if the user hasn't used the instrument >12 months. 50% discount will apply for all retraining sessions.
- ² Assisted sessions are available with an additional cost at \$60.50 per hour.

ADDITIONAL INFORMATION

Applies to all facilities

Services	Description	Fee ²	Measure
Urgent service surcharge ¹	Within working hours	+50% on top of the normal charge	
	After hours during working days	+100% on top of the normal charge	
	On weekends or public holidays	+200% on top of the normal charge	
Project support	Consultation (free of charge for the first hour)	60.5	per hour
	Experimental design	60.5	per hour
	Panel design	60.5	per hour
	Sample acquisition	60.5	per hour
	Data analysis	60.5	per hour
Other assisted services	Subject to staff availability	60.5	per hour

Notes

- ¹ Subject to staff availability.
- ² Assisted sessions are available with an additional cost at \$60.50 per hour.