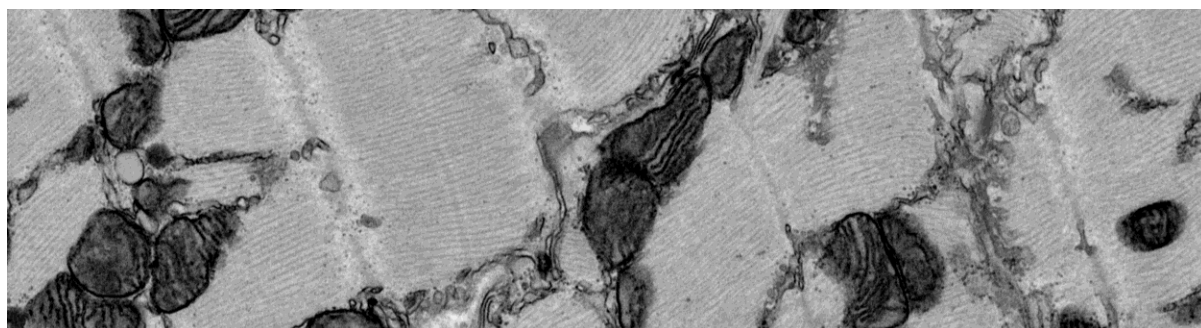


## Sydney Microscopy & Microanalysis 2023 Fee Schedule



### University of Sydney users:

- \$50 per hour (up to 8 consecutive hours per session per instrument)
- \$12.50 per hour (each consecutive hour over 8 hours per session per instrument)
- \$4 per hour for specimen preparation and image analysis equipment

**Individual user cap of \$1,800 per calendar year\***

\* Except where an individual has multiple Supervisors in a calendar year

**User cap excludes:**    \$300 one-off registration fee for new users  
                                      \$200 per hour for staff instrument operation  
                                      3View Serial Block Face Scanning Electron Microscope

### External users (excludes GST):

**Registration fee of \$300 per new user**

Category	Instruments p/hr 0-8hrs	Staff p/hr
Australian Publicly Funded Research Agencies (PFRA)	\$150	\$200
Commercial	\$350	\$200

After 8 hours the hourly instrument rate drops to 25% of the listed rate for remainder of session

# Sydney Analytical

Standard rates for users from other Universities, publicly-funded research organisations, and charities.

## Instrument rates

### Vibrational spectroscopy

Infrared and Raman spectrometers	\$ 130 / hour	🕒
Portable spectrometers & Innova AFM	\$ 65 / hour	➔

### X-ray spectroscopy

X-ray or ultraviolet photoelectron spectroscopy (XPS/UPS)	\$ 130 / hour	🕒
X-ray fluorescence	\$ 65 / hour	
Portable XRF and Artax	\$ 65 / hour	➔

### Magnetic Resonance

NMR 200 - 500 MHz	\$ 10 / hour
NMR 600 MHz	\$ 20 / hour
NMR 800 MHz	\$ 30 / hour
Electron paramagnetic resonance	\$ 20 / hour

### X-ray diffraction

Powder diffractometers, including controlled environment accessories	\$ 65 / hour	🕒
Single Crystal X-ray Diffraction (SCXRD)	\$ 26 / hour	

### X-ray and light scattering

Small- and wide-angle X-ray scattering (SAXS/WAXS)	\$ 130 / hour	🕒
Malvern Nanosight or Zetasizer	\$ 26 / hour	

### Drug Discovery

AKTA Purifier	\$ 80 / hour
General equipment charge	\$ 16 / hour

### Thermal analysis

Phoenix DSC or Jupiter STA	\$ 50 / hour
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#### Notes

- ➔ Long-term rates for portable instruments: \$440/day; \$2000/week
- 🕒 Extended bookings of longer than 8 hours will have subsequent hours charged at 25% of the standard rate

#### Volume discounts

Sydney Analytical offers generous discounts for large volumes of work:

**33% discount** on instrument usage beyond 50 hours

**50% discount** on instrument usage beyond 350 hours

#### Contact us for further information:

Email | [sydney.analytical@sydney.edu.au](mailto:sydney.analytical@sydney.edu.au)  
Phone | +61 2 8627 6903  
Web | [sydney.edu.au/sydney-analytical](http://sydney.edu.au/sydney-analytical)

## Training & Services

### Training

Training in operation of equipment & data analysis for vibrational spectroscopy and X-ray techniques \$130 per person per instrument

Drug Discovery technique training \$80/hour. Training for small groups can be integrated into projects for a 20% surcharge.

*We also periodically run courses covering technique basics, sample preparation and data analysis.*

### Vibrational spectroscopy, X-ray techniques & Magnetic Resonance

Staff assistance, including sample preparation and data analysis. \$100/hour (short periods of assistance are not charged)

### Drug Discovery

Protein production & characterisation, protein NMR, metabolomics NMR and SPR services Contact us for a quote

Primary fragment-based drug screen and validation \$15,000

Cyclic peptide ligand screen \$ 6,000

### Sample preparation

Hard material cutting and polishing Contact us for a quote

Rock thin sections Contact us for price list

#### Staff acknowledgement

If facility staff have been involved in data analysis, structure solution or refinement, it is expected that they will be co-authors on any publication arising from the experiment.

#### Arrangements for collaborators

External academics who are joint Chief Investigators on Category 1 grants are offered *internal rates* for work funded by the grant, but do not qualify for the group fee cap.

Joint Chief Investigators on LIEF grants (or similar equipment grants) are offered the same arrangement for work using the equipment covered by the LIEF grant for a period of up to three years.

January 2023

# Sydney Analytical

Standard rates for University of Sydney students, staff, and affiliates on internal or grant funding.

## Instrument rates (eligible for cap)

### Vibrational spectroscopy

Infrared and Raman spectrometers	\$ 50 / hour	🕒
Portable spectrometers & Innova AFM	\$ 25 / hour	➔

### X-ray spectroscopy

X-ray or ultraviolet photoelectron spectroscopy (XPS/UPS)	\$ 50 / hour	🕒
X-ray fluorescence and Artax	\$ 25 / hour	➔

### Magnetic Resonance

NMR 200 - 500 MHz	\$ 5 / hour	
NMR 600 MHz &	\$ 10 / hour	
NMR 800 MHz	\$ 15 / hour	
Electron paramagnetic resonance	\$ 10 / hour	

### X-ray diffraction

Single crystal X-ray diffractometers	\$ 10 / hour	🕒
Powder diffractometers	\$ 25 / hour	🕒

### X-ray and light scattering

Small- and wide-angle X-ray scattering	\$ 50 / hour	🕒
Malvern Nanosight or Zetasizer	\$ 10 / hour	

### Drug discovery

AKTA Purifier	\$ 50 / day	
General equipment charge	\$ 10 / hour	

### Thermal analysis

Phoenix DSC or Jupiter STA	\$ 25 / hour	
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#### Notes:

- ➔ Long-term rates for portable instruments: \$ 200/day; \$1000/week
- 🕒 Extended bookings of longer than 8 hours will have subsequent hours charged at 25% of the standard rate

#### User Access Scheme

Grants of up to \$5000 of instrument time are available on a competitive basis to University of Sydney users without alternate sources of funding. Please enquire for details.

<https://sydney.edu.au/research/facilities/user-access-scheme.html>

#### Staff acknowledgement

If facility staff have been involved in data analysis, structure solution or refinement, it is expected that they will be co-authors on any publication arising from the experiment.

## Research Group Caps for instrument time: \$5,000 per calendar year

for research groups with up to 5 members. The caps increase by \$250 per additional group member. Conditions apply (see notes)

Cap #1 \$5,000 Covers all Sydney Analytical equipment except Magnetic Resonance

Cap #2 \$5,000 Magnetic Resonance spectrometers only

## Training & Services

### Training

Training in operation of equipment & data analysis for vibrational spectroscopy, X-ray techniques and magnetic resonance.	\$50 per person per instrument, up to a training cap of \$400 per group
Drug Discovery technique training	\$50/hour. Training for small groups can be integrated into projects for a 20% surcharge.

We also periodically run courses covering technique basics, sample preparation and data analysis.

### Vibrational spectroscopy, X-ray techniques & Magnetic Resonance

Staff assistance, including sample preparation and data analysis.	\$100/hour (short periods of assistance are not charged)
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### Drug Discovery

Protein production & characterisation, protein NMR, metabolomics NMR and SPR services	Contact us for a quote
Primary fragment-based drug screen and validation	\$15,000
Cyclic peptide ligand screen	\$ 3,000

### Sample preparation

Hard material cutting and polishing	Contact us for a quote
Rock thin section	Contact us for price list

### Notes on the Group Cap for instrument time:

- Charges for consumables and staff time are not capped and do not contribute to the cap.
- Application of the cap is contingent on approval from the Academic Director. Please contact Sydney Analytical and arrange a meeting with the Academic Director to discuss outcomes from the access that has been provided to date.
- The group size includes all research staff, students (HDR and Honours) and long-term visitors under the supervision of the named academic, averaged over the calendar year, regardless of whether they are using Sydney Analytical Facilities.
- Where grants are shared, then the charges can be contributed equally between the CIs on request.
- Free instrument time provided via the User Access Scheme does not contribute to this cap.

### Contact us for further information:

Email | [sydney.analytical@sydney.edu.au](mailto:sydney.analytical@sydney.edu.au)

Phone | +61 2 8627 6903

Web | [sydney.edu.au/sydney-analytical](https://sydney.edu.au/sydney-analytical)

January 2023

## Sydney Informatics Hub Rate Sheet - 2023

SIH Research Support Service	Internal# (i.e. Payable by journal transfer only)	Other Universities & Publicly Funded Research Organisations (excluding GST)	SKH (excluding GST)	Commercial	Additional Information
<b>Project support</b> (2 days to 12 weeks)**	\$3,500/week*	\$6000/week*	\$6000/week*	Contact SIH for a custom quote	Formal scoping by SIH required. Request assistance: <a href="#">Request support</a>
<b>Project Management Overheads</b> (for above projects)	\$350/week* (in-kind)	\$600/week*	\$600/week*	Included in custom quote	
<b>Project Support Total</b>	<b>\$3,500/week*</b>	<b>\$6,600/week*</b>	<b>\$6,600/week*</b>	<b>Custom quote</b>	
<b>One-off short support</b> (up to 2 days/project)	Dependent on staff availability – no charge	N/A	N/A	N/A	Request assistance: <a href="#">Request support</a>
<b>SIH Project Scheme:</b> (Up to 5 weeks* in-kind support per scheme - awarded on merit)	Value: \$3,850/week* (in-kind)	N/A	N/A	N/A	Awarded on merit. Limited number of projects. For application eligibility and details see: <a href="#">SIH Schemes</a>
<b>Statistical consulting:</b> 1-2 hour consult	Free to Researchers and Research students	N/A	N/A	N/A	Request assistance: <a href="#">Request support</a>
<b>Scheduled Training Courses / Workshops</b>	Free to Researchers and Research students Bookings required Numbers limited	N/A	N/A	N/A	See: <a href="#">Workshops and Training</a>
<b>Custom training courses / workshops</b>	Dependent on staff availability – see rates below				

SIH University of Sydney Custom Workshop Internal Rates			
Workshop Length (days)	Number of SIH Instructors	Number of Attendees	Internal (Payable by journal transfer only)
½	1	10 or less	\$760
½	2	11 to 20	\$1,260
½	3	21 to 30	\$1,660
1	1	10 or less	\$1,520
1	2	11 to 20	\$2,520
1	3	21 to 30	\$3,320
2	1	10 or less	\$3,040
2	2	11 to 20	\$5,040
2	3	21 to 30	\$6,640
<b>Other Universities and Publicly Funded Research Organisations rates:</b> 2 x Internal rates (plus GST)			
<b>Commercial rates:</b> 3 x Internal rates (plus GST)			

\*week is equivalent to 35 hours of SIH research support services

\*\*Longer engagements by arrangement only. Further fees will apply.

“In-kind” (i.e. no charge to researcher) indicates ‘value only’ of services.

**#Grant applications:** This pricing is provided as a guide for preparation of grant applications where the SIH support level required for your project is well understood. For assistance with scoping and quotes for SIH support services for your grant application please contact SIH no less than 2 weeks prior to the grant application closure date at: [sih.info@sydney.edu.au](mailto:sih.info@sydney.edu.au)

**Note:** These rates will apply for Sydney Informatics Hub quotes starting from 21<sup>st</sup> November 2022 (with the support services quoted generally expected to be delivered in 2023).

## Sydney Manufacturing Hub – Rates 2023

Please contact [smh.info@sydney.edu.au](mailto:smh.info@sydney.edu.au) to discuss your project

Instrument	Cost (Internal Users)
<b>GROUP 1 EQUIPMENT</b>	
Furnaces	\$10/hour
Salt baths	
Oil baths	
Extruders (Polymers lab)	
Vickers Hardness Tester	
WASP paste printer	
Pre & Post Fabrication Equipment	
High End Desktop machines	
Powder Characterisation Equipment – PowderFlow (CarneyFlow), GranuDrum	
Grinder (specimen preparation)	
3D Polymer Printers – AON M2+, Intamsys Funmat HT, Formlabs 3B, Phrozen Mega 8K, Phrozen Mini 8K, BMF S240, 3D Platform Large Format, Prusa	
<b>GROUP 2 EQUIPMENT</b>	
3D Metal Printers- Mlab, M2, A2X & SpectraH	\$40/hour
3D Ceramic Printer – CeraFab 7500	
<i>*The base rate for heat treatment of ceramic parts will be capped at \$200</i>	
Nanoindentation System	
Induction Casting Unit	
3D Confocal Microscope	
Arc Melter	
EDM	
<b>Additional cost</b>	
Technical Staff Assistance	\$100/hour
Consumables – Metal powders, ceramic slurry, polymer resins and filaments will be charged to the researcher per weight/volume used	Quotation Required- Contact Facility
<b>TRAINING</b>	
Training fee for Equipment	\$50 per session (from 2-6 sessions depending upon equipment)



THE UNIVERSITY OF  
**SYDNEY**

—  
Core Research  
Facilities

USER CAPS	
<b>Individual user cap (applicable for internal staff only)</b> <i>Not included in the cap: Staff time, Consumables &amp; Training</i>	\$1700/calendar year
<b>External Academic rates:</b>  2x Base Internal Rate for Equipment \$100 an hour for staff time Consumables at cost \$50 per session Training fee (from 2-6 sessions depending upon equipment)	
<b>External Commercial Rate:</b>  3 x Base Internal rate for equipment ( <i>This is valid for all equipment except for the 3D Ceramic Printer – CeraFab7500 for which the commercial rate is \$350/hour</i> ) \$200 an hour for staff time Consumables at cost Training Fees- contact facility for quotation	

# Sydney Mass Spectrometry

## The University of Sydney Price List

- Registration (inc. training)
  - 2D Gel Course \$300
  - Mass Spectrometry \$500
- Bench Fees
  - IEF Cells & large gel tanks \$1/hr
  - LC systems from \$1/hr
  - LCMS & MS Imaging systems \$10/hr
- Consumables
  - ZipTips \$250/box
  - ABGene 96 well plates \$7.50
  - PCR strips (8 tubes) inc seal \$2
  - Indium Tin Oxide Slides \$15
  - Vials (box of 100) \$110
- Contract Research
  - Sample clean up \$35/sample
  - MALDI TOF Analysis (inc Peptide Mass Fingerprinting, Deuteration and Intact Protein Mass) \$80/sample
  - 1D LCMS (protein identification in simple mixtures or intact protein mass) \$120/sample
  - Mass Spec Imaging (lipids) \$500/slide
  - Mass Spec Imaging (peptides) \$750/slide
  - Plasma Targeted Metabolomics \$120/sample
  - Quantitative Proteomics \$750/sample
- Please contact us for a quote for 2D gel analysis, discovery metabolomics and other services.
- Not USyd? See next page for external rates.

# Sydney Mass Spectrometry

## External (Academic) Price List

- Registration (inc. training)
  - 2D Gel Course \$300
  - Mass Spectrometry \$500
- Bench Fees
  - IEF Cells & large gel tanks \$2/hr
  - LC systems from \$2/hr
  - LCMS & MS Imaging systems \$25/hr
- Consumables
  - ZipTips \$250/box
  - ABGene 96 well plates \$7.50
  - PCR strips (8 tubes) inc seal \$2
  - Indium Tin Oxide Slides \$15
  - Vials (box of 100) \$110
- Contract Research
  - Sample clean up \$50/sample
  - Deuteration Analysis \$80/sample
  - MALDI TOF Analysis (inc Peptide Mass Fingerprinting and Intact Protein Mass) \$120/sample
  - 1D LCMS (protein identification in simple mixtures or intact protein mass) \$180/sample
  - Plasma Targeted Metabolomics \$180/sample
  - Mass Spec Imaging (lipids) \$750/slide
  - Mass Spec Imaging (peptides) \$1125/slide
  - Quantitative Proteomics \$1125/sample
- Please contact us for a quote for 2D gel analysis, discovery metabolomics and other services.
- Commercial? Please contact us for quote.



## RESEARCH & PROTOTYPE FOUNDRY

### ACCESS FEES PER HOUR

User type	Equipment group				Training	Staff Assistance <sup>3</sup>
	1	2	3	Prototyping <sup>2</sup>		
University of Sydney / ANFF supported tools <sup>1</sup>	\$7.5	\$22.5	\$30	\$2.5	\$50	\$100
Australian University (non-ANFF tools) <sup>4</sup>	\$7.5	\$22.5	\$30	\$2.5	\$100	\$100
Australian Publicly Funded Research Agency	\$45	\$135	\$180	\$15	\$150	\$150
Industry / Overseas	\$60	\$180	\$240	\$20	\$200	\$200

<sup>1</sup> Hourly rate applies to both University of Sydney users and other Australian university academics on ANFF supported tools

<sup>2</sup> Special introductory pricing for new capability; minimum booking time of 1 hour applies to Prototyping tools

<sup>3</sup> Includes work done on behalf of the user and user assistance

<sup>4</sup> Most non-ANFF supported tools are available at ANFF subsidised rates to Australian University users 20% of the time

Note: Precious metals and some other consumables are charged at cost to users

Equipment Group 1	Equipment Group 2	Equipment Group 3	Prototyping tools
<ul style="list-style-type: none"> <li>* Coater Brewer Science CB-200</li> <li>Dicing Saw ADT</li> <li>* Die Bonder Fine Tech Lambda</li> <li>Dry Film Laminator Fortex FL-0305-01</li> <li>Ellipsometer JA Woollam M2000</li> <li>* Fibre Draw Tower</li> <li>Lamp Annealer ULVAC MILA 5000</li> <li>* Microscope Nikon Eclipse LV100ND</li> <li>O2 Plasma Asher Glow</li> <li>Parametric Analyser &amp; Nano Probe</li> <li>* PDMS Process Tools</li> <li>* Probe Station Suss PM 5</li> <li>* Reactive Ion Etcher South Bay RIE3000</li> <li>* Spin Dryer Delta 15</li> <li>* Sputter Coater DC Emitech K550</li> <li>Stylus Profilometer DekTak XT</li> <li>Wire Bonder TPT HB 100</li> </ul>	<ul style="list-style-type: none"> <li>3D Microscope Leica DCM8</li> <li>Atomic Force Microscope Bruker Icon</li> <li>Atomic Layer Deposition Picosun R200</li> <li>E-Beam Thermal Evaporator AJA ATC-1800-E</li> <li>ICP RIE Oxford Plasmalab 100</li> <li>* Laser Writer Heidelberg DWL 66+</li> <li>Mask Aligner EVG 610</li> <li>Maskless Aligner Heidelberg MLA100</li> <li>* Rite Track SVG88</li> <li>Sputterer AJA ATC-2000-UHV</li> <li>* Wet Benches</li> </ul>	<ul style="list-style-type: none"> <li>EBL Elionix ELS-F125</li> <li>NanoFab Helium Ion Beam Zeiss</li> <li>* i-line Stepper ASML PAS 5500/100</li> </ul>	<ul style="list-style-type: none"> <li>3D Printer: Filament Creator Pro</li> <li>3D Printer: Filament Funmat HT</li> <li>3D Printer: Resin Formlabs</li> <li>Laser Cutter</li> </ul>
		<p><b>Not available at ANFF subsidised rates:</b></p> <ul style="list-style-type: none"> <li>FIB-SEM Zeiss Crossbeam 550XL</li> </ul>	

**University of Sydney & ANFF Academic rate**

Mask blank	Size	Resolution	Standard write area	Price
Soda lime	4" by 0.06"	Standard	75mm by 75mm	\$ 315.00
Soda lime	5" by 0.09"	Standard	100mm by 100mm	\$ 381.00
Soda lime	6" by 0.09"	Standard	125mm by 125mm	\$ 480.00
Soda lime	7" by 0.12"	Standard	150mm by 150mm	\$ 772.00
Quartz	5" by 0.09"	Standard	100mm by 100mm	\$581.00

**Non-Academic & Industry rate**

Mask blank	Size	Resolution	Standard write area	Price
Soda lime	4" by 0.06"	Standard	75mm by 75mm	\$ 476.00
Soda lime	5" by 0.09"	Standard	100mm by 100mm	\$ 575.00
Soda lime	6" by 0.09"	Standard	125mm by 125mm	\$ 716.00
Soda lime	7" by 0.12"	Standard	150mm by 150mm	\$ 1,009.00
Quartz	5" by 0.09"	Standard	100mm by 100mm	\$ 775.00

- Quoted prices do not include GST, delivery and handling costs
- All prices are based on standard lead time of 10 working days; additional labour charges apply for faster turnaround
- Low reflective chrome is the default chrome type
- Quoted quartz is standard low reflective chrome; quartz is available in other sizes and with high reflective chrome where applicable – please contact us for details & pricing
- High- and ultra-high resolution is available for critical dimension below 2um – please contact us for details & pricing
- All designs must meet our design guidelines to qualify for standard pricing – additional design charges based on staff labour rates may be incurred if this is not the case
- Prices are subject to change

## Sydney Cytometry 2022 (internal users)

<b>Sydney Cytometry</b>			
<b>Instrument</b>	<b>Cost/hour (unassisted)</b>	<b>Cost/hour (operator assisted)</b>	<b>Notes</b>
Cell sorter: basic (2 lasers)	\$36	\$80	FACSJazz
Cell sorted: advanced	\$54	\$95	FACSAria IIu, Influx, FACSMelody
Sort set up	\$48		"flag-fall" each session
Cytometers: basic (<4 lasers)	\$36	\$80	FACSCantoll, FACSVerser, Aurora (3 laser)
Cytometers: advanced (>4 lasers)	\$54	\$95	LSRFortressa, LSRFortressa X-20, LSR II 5L, LSR X, Aurora (5 laser)
Image Cytometer: plates	\$35	\$80	PE Opera Phenix. Rebates apply after first 6 hours of continuous use
Image Cytometer: ImageStream	\$50	\$95	Imagestream XmkII
Mass Cytometer - Suspension	\$60	\$100	
Mass Cytometer - Imaging	\$60	\$100	
Additional operator assistance		\$50	
AutoMACS Pro	\$30	\$80	
Analysis Computers	\$4	\$54	
Group Training (per person, per hour)		\$30	
Individual training		\$50	
Software maintenance fees (including FlowJo, Imaris, Volocity) will be charged on a usage basis			
Used vs booked time reconciliation will be applied to all instruments (ie user will be charged the longer of the two (unless someone else uses some of the time)			
A charge of 50% of usage rate will be applied to late cancellation of bookings (where the slot has not been used by someone else). Cut off time will be set at 12 hours			
External Academic rates = 2x Base Internal Rate			
External Commercial Rate = 3x Base Internal Rate			

Note: These rates are currently under review for 2023.



<b>Sydney Imaging 2022 Internal User Costs</b>	
<b>PRECLINICAL</b>	
<b>3T MRI</b>	\$300pp registration fee, then \$200 per hour*#
<b>7T MRI</b>	\$300pp registration fee, then \$200 per hour*#
<b>3T PET/MRI</b>	\$300pp registration fee, then \$200 per hour*#
<b>IVIS Spectrum</b>	\$100pp registration fee, then \$50 per hour
	\$50 per hour technical assistance fee
<b>VisualSonics Ultrasound and Photoacoustic (Vevo2100 + VevoLAZR, Vevo3100 + LAZR-X)</b>	\$100pp registration fee, then \$50 per hour
	\$50 per hour technical assistance fee
<b>3D microCT</b>	\$100pp registration fee, then \$50 per hour
	\$50 per hour technical assistance fee
<b>echoMRI</b>	\$20pp registration fee, then \$20 per hour
	\$50 per hour technical assistance fee
<b>Dual-Energy X-ray Absorptiometry (DXA)</b>	\$40pp registration fee, then \$40 per hour
	\$50 per hour technical assistance fee
<b>Computer Analysis Computer/VRD</b>	\$2 per hour
<b>Note:</b> costs will be calculated based on 30-minute blocks (e.g. 20 min of usage will be charged as 30 min).	
* Includes technical staff support	
# Tracer and/or contrast consumables are an additional cost	
<b>HYBRID THEATRE</b>	
Please contact us for a bespoke quote for Hybrid Theatre projects.	

Note: Pricing under review for 2023