

Solid State and Elemental Analysis Unit (SSEA Unit)

1. Rates for Access to Powder XRD, and X-ray crystallography and surface analysis by XPS, and Core Scanning analysis.

Rates are in AU\$, ex-GST, current for 2016-2017 inclusive

	Internal Rates ^a	Institutional Rate ^b (ex-GST)	Commercial Rate ^c (ex-GST)
Training, all instruments^d	Free	Free	Free
Panalytical MPD (Copper) Bulk Powder X-ray Diffractometer Contact Yu Wang yu.wang@unsw.edu.au	Trained User \$30/hour	Trained User \$60/hour	Trained User \$150/hour Service Rate \$250/hour
Panalytical Empyrean II (Cobalt) Bulk Powder X-ray Diffractometer Contact Yu Wang yu.wang@unsw.edu.au	Trained User \$25/hour	Trained User \$50/hour	Trained User \$150/hour Service Rate \$250/hour
Panalytical MRD X-ray diffraction for thin-film, grazing angle, stress, texture measurements Contact Yu Wang yu.wang@unsw.edu.au	Trained User \$30/hour	Trained User \$60/hour	Trained User \$150/hour Service Rate \$250/hour
Panalytical Empyrean I X-ray diffraction for thin-film, grazing angle, stress, texture measurements Contact Yu Wang yu.wang@unsw.edu.au	Trained User \$30/hour	Trained User \$60/hour	Trained User \$150/hour Service Rate \$250/hour
Bruker D8 Rotating anode X-ray source with 2D detector and mapping stage for HRXRD, fast RSM and 2DXRD Contact Yu Wang yu.wang@unsw.edu.au	Trained User \$30/hour	Trained User \$60/hour	Trained User \$150/hour Service Rate \$250/hour
Bruker Kappa Apex Single-crystal X-ray analysis Contact Mohan Bhadbhade m.bhadbhade@unsw.edu.au	Co-authorship Rate \$130/sample Data collection only \$80/sample Structure Solution of Synchrotron Data \$50/dataset	Service Rate \$130/sample	Service Rate \$450/sample

	Internal Rates^a	Institutional Rate^b (ex-GST)	Commercial Rate^c (ex-GST)
Mikropack NanoCalc 2000 UV-Vis-NIR Contact Yu Wang yu.wang@unsw.edu.au	Trained User Free	Trained User Free	
Thermo Escalab 250Xi X-ray Photoelectron Spectrometer (XPS) Contact Bill Gong b.gong@unsw.edu.au	Service Rate \$70/hour Trained User \$40/hour	Service Rate \$172.50/hour	Service Rate \$287.50/hour
IONTOF Time of Flight Mass Spectrometer (TOF SIMS) Contact Bill Gong b.gong@unsw.edu.au	Service Rate \$70/hour Trained User \$40/hour	Service Rate \$172.50/hour	Service Rate \$287.50/hour
Alpha-Step D-600 Stylus Profiler Contact Outi Mustonen o.mustonen@unsw.edu.au	Trained User Free	Trained User Free	Trained User Free
Cox Analytical ITRAX XRF Core Scanner X-radiography XRF mapping Magnetic susceptibility mapping Contact Sarah Kelloway sarah.kelloway@unsw.edu.au	Service & Trained User Rate \$100/core For up to 24 hours of instrument use. \$30/hour operator processing time	Service Rate \$200/core For up to 24 hours of instrument use. \$30/hour operator processing time	Service Rate \$400/core For up to 24 hours of instrument use. \$30/hour operator processing time

(a) The internal rate is applicable to all UNSW account holders (including affiliated institutes), ADFA and also LIEF Partners.

(b) The institutional rate is applicable to all other universities, and government institutions including ANSTO, and CSIRO.

(c) The commercial rate covers all other non-government users.

(d) Training on all SSEA Unit equipment is **free for any user**. The exception is for ICP where a charge is applied to cover the cost of argon used during training.

2. Bulk Elemental Analysis Rates: ICP, XRF, LC-OCD, IC, combustion analysis for DOC, DIC, solids by LECO

Elemental analysis is usually charged per sample. The rate can vary significantly depending on the number of samples, the type of sample preparation, and the number of analytes requested.

A separate pricing sheet is available for services from the **ICP Laboratory** (sample grinding, microwave acid digestion, ICPMS, ICPOES, LC-OCD, IC, combustion analysis for DOC, DIC). For users that have specific enquiries about services from our ICP laboratory please contact Rabeya Akter (r.akter@unsw.edu.au) or Dorothy Yu (d.yu@unsw.edu.au).

A separate pricing sheet for services from the **XRF Laboratory** (XRF, rock crushing, pressed pellets, LECO combustion analysis of solids). For users that have specific enquiries about services from our XRF Laboratory please contact Irene Wainwright (i.wainwright@unsw.edu.au) or Sarah Kelloway (sarah.kelloway@unsw.edu.au).

3. Research Grant Budgets

When an **in-kind** contribution is requested in your application, please use **\$175/hour** to cover MWAC salaries, costs for power, repairs etc provided by the University.

4. Enquiries

Dr Chris Marjo, Manager, Solid State and Elemental Analysis Unit
Room G61, Office M64, Chemical Sciences Building (F10)
University of New South Wales
Sydney NSW 2052 Australia

Tel +61-2-9385 4693 Fax +61-2-9385 4663 Mobile 0434 181 790
c.marjo@unsw.edu.au
UNSW CRICOS Code No. 00098G