

# Moreton Bay Research Station

## Laboratory equipment

Simple Name	Make	Model	Size	Accessories	Notes
<b>Alcohol burner</b>					
<b>Analytical balances</b>				0.01mg to 3kg	
<b>Analytical mill</b>	IKA	A11 Basic			
<b>Aquarium equipment</b>				powerheads, pumps, heaters, filters, chillers, tanks, dip nets	
<b>Aquarium tanks</b>				up to 10 000L	
<b>Autoclave</b>	Siltex	HC2D			Local induction required before use
<b>Basic blenders and homogenisers</b>				kitchen blenders and hand-held blending wands	
<b>Biological safety cabinet, class II</b>	Email	2350/612-4			Contact scientific staff when you make your booking
<b>Bomb calorimeter</b>	IKA Labortechnik	C5003 control			Contact scientific staff when you make your booking
<b>Buchner funnels and flasks</b>					
<b>Bunsen burner (portable)</b>				Telcu safety burner	
<b>Centrifuge (refrigerated)</b>	Labogene	1248R		swing out rotor: GRS-G-r250-4 (max 3134xg) (microtitre plates, 50ml and 15ml conical falcon tubes, 10ml round bottom tubes) fixed angle rotor: GRA-G-15-24 (max 3134xg) (10-15ml round bottom tubes)	Local induction required before use
<b>Compound microscope research</b>	Olympus	BX50		ocular micrometers, stage micrometers	
<b>Compound microscopes teaching</b>	Nikon	YS100		ocular micrometers, stage micrometers	
<b>Desiccator</b>	Kartell				

<b>Dissecting equipment</b>					
<b>Drying ovens</b>	Contherm	R2400HD & 250M	400L	improved sediment/vegetation drying	Local induction required before use
<b>Fluorescence microscope</b>	Olympus	BH2			Contact scientific staff when you make your booking
<b>Fume hoods</b>	Hamilton/Airclean	FCI/Airclean 600 Workstation			Local induction required before use
<b>Gas microscope tables</b>	Vibraplane				Contact scientific staff when you make your booking
<b>Gas regulators</b>				nitrogen (single or double stage), oxygen	
<b>Glass vacuum filter assembly</b>				chromatography solvent preparation	
<b>Heater stirrers and magnetic stirrers</b>	IEC & IKA	CH2090-001 & C-Mag HS7		temperature probe controller (Ikatron ETS-D5)	
<b>Heating block</b>	Ratek			evaporation manifold	
<b>HPLC system</b>	Agilent	1200 Series		degasser, binary pump, sample injector, column heater, diode detector, fraction collector, instant pilot, thermostat, manual injector	Contact scientific staff when you make your booking
<b>Ice maker and ice crusher</b>					
<b>Incubator (refrigerated)</b>	Labec	ICB00-300	300L	internal light, power outlet	
<b>Integrated Liquid Chromatography System</b>	BioRad	Biologic LP		manual injection valve (MV-6), diverter/bypass valve (SV-3), gradient mixer, optical and conductivity sensors, buffer control valve (SV-5), fraction collector (BioFrac), software, chromatography columns (econocolumn set)	Contact scientific staff when you make your booking
<b>Laboratory consumables</b>				plastic ware, tubes, pipette tips	
<b>Laboratory glassware</b>				Schott bottles, measuring cylinders, volumetric flasks, beakers, conical flasks	
<b>Light box</b>					

<b>Light sources LED</b>				
<b>Liquid nitrogen dewar</b>	MVE	Lab 20		Contact scientific staff when you make your booking
<b>Micro and mini centrifuges</b>	Sigma/Corning	1-15, 1-16K, LSE 6766	refrigerated micro centrifuge (Sigma 1-16K), microhematocrit microcentrifuge rotor, tube adaptors for mini centrifuge	Local induction required before use
<b>Micropipettes</b>	Gilson, BioRad	P2, P20, P100, P1000, P5000	P2 to P5000	
<b>Microplate reader</b>	BioTek	Synergy 2	multiwavelength UV/vis luminescence	
<b>Microplate shaker</b>	Thermo	88880024	4 plate	
<b>Microscope cameras</b>		IS500	trinocular and eyepiece attachments	
<b>Mortar and pestles</b>				
<b>Muffle furnace</b>	SEM	S148		Local induction required before use
<b>Multi-channel micropipette</b>			8 channel	
<b>Nitrogen generator</b>	Domnick Hunter	LCMS 30-1-E		
<b>Pallet jack</b>				
<b>Peristaltic pump</b>	Cole Palmer	7523-27	Ismatech pump head (#07623.00)	
<b>Personal protective equipment</b>				
<b>pH meter</b>	Ohaus	Starter 3100	benchtop laboratory pH meter	
<b>Plankton equipment</b>			plankton nets, plankton splitter, Bogorov chambers	
<b>Polyacrylamide electrophoresis system</b>	BioRad	Miniprotean 3	electrophoresis power supply	
<b>Retort stands</b>				
<b>Rocking platform</b>	Ratek	OM5		
<b>Rotary evaporator</b>	Heidolph	Heizbad HB digit		Contact scientific staff when you make your booking

<b>Rotary suspension mixer</b>	Ratek	RSM6		
<b>Scissor-lifting table (hydraulic)</b>				
<b>Shaking incubator</b>	Bioline	8500		
<b>Sieve shaker</b>	Retsch	AS200 Basic		
<b>Spark-free fridge</b>				
<b>Spectrophotometer</b>	Agilent	Cary 60	optical fibre probe, Peltier temperature control, standard 1cm cuvettes (plastic/glass/quartz), 50ul 1cm quartz cuvette, quartz flow cell (LKB), UV/vis (1.5nm bandwidth)	Contact staff in advance if accessories needed
<b>Spectrophotometer (water quality)</b>	Hach	DR5000	supports Hach water-quality analysis kits, UV/vis (2nm bandwidth)	
<b>Speedvac concentrator</b>	Thermo	Speedvac Plus	low-temperature trap	Contact scientific staff when you make your booking
<b>Stereo microscope (trinocular)</b>	Olympus	SZ61 and SZ40	transilluminator option, ocular micrometer, stage micrometers, Sedgewick rafter counting cells and transilluminators	
<b>Stereo microscopes</b>	Olympus	SZ51, SZ40, SZ30	ocular micrometer, stage micrometers, Sedgewick rafter counting cells, and transilluminators	
<b>Stopwatches</b>				
<b>Tissue culture (CO2) incubator</b>	Panasonic	MCO-5AC-PE		Contact scientific staff when you make your booking
<b>Tissue homogeniser (bead beater)</b>	BioSpec	Beadbeater plus	single sample bead beater	
<b>Tissue homogeniser (dounce)</b>				
<b>Tissue homogeniser (sonicating)</b>	Sonics	Vibracell		
<b>Tissue homogeniser (ultra-turrex)</b>	Heidolph	DIAX 900		
<b>Ultralow freezer (-80°C)</b>				
<b>Ultrasonic cleaner</b>	Unisonics	FXP 10D		

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**UV lamp**

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**Vacuum pumps (laboratory)**Charles Austen  
Pumps

Innovac 20

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**Vortex mixer**

Ratek

VM1

various tube adaptors

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**Water baths (heating and chilling)**

MGW Lauda

RMS6

external pumping options

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**Water purification (reverse osmosis and  
ultrapure)**

Elga

Flex II