



Instrument	Rental Cost (Baht/Hour)				Note	Accessories	
	SC staff	Mahidol	Government	Private		Type	Price
Group 1 : Liquid Chromatography							
1.1 HPLC 600-717 Autosampler-PDA996	100	150	200	250	10% Discount when using user's column	Filter Nylon 0.45 µm	15
1.2 HPLC 600-717 Autosampler-ECD432	100	150	200	250		Filter Nylon 0.20 µm	15
- Conductivity Detector 464	100	150	200	250		Filter CA 0.45 µm	15
1.3 HPLC 2695-UV/Vis2487-PDA996	100	150	200	250		Plastic Syringe 3 ml	5
1.4 HPLC 2695-FluorFP2020-UV/Vis2487	100	150	200	250		Septum PTFE 9mmx0.01"	1
1.5 HPLC e2695-RI2414-UV/Vis2489	100	160	250	350		Vial 1.5ml (clear) w/Cap	20
1.6 Capillary Electrophoresis (CE)						Insert vial w/spring	30
- UV-Vis Detector	150		200	300		Insert vial	20
- Photodiode Array Detector	200		320	400			
- Fluorescence Detector	250		400	500			
1.7 LC-Ion Trap MS/MS							
- LC-MS (Direct Infusion)	150	225	Contact analyst				
- LC-UV-MS/MS	150	225					
Group 2 : Gas Chromatography							
2.1 GC 6890-FID-NPD	90	135	180	225	10% Discount when using user's column	Filter Nylon 0.20, 0.45µm	15
2.2 GC 7890B-FID-TCD	120	220	320	420		Headspace crimp cap	20
- GC with Headspace Sampler	160	260	360	460		Plastic Syringe 3 ml	5
2.3 GC 6890-MSD5973	150	225	Contact analyst			Septum PTFE/Rubber	5
- GC-MicroECD-TCD	90	135	180	225		Plastic Syringe 3 ml	5
2.4 GC-MSD5977B with PAL-RTC120	300	500	Contact analyst				
Group 3 : Spectrophotometer							
3.1 UV-Vis-Spectrophotometer (Jasco V-530)	30	45	60	75			
3.2 UV-Vis-Spectrophotometer (Shimadzu UV2600)	60	120	200	300			
3.3 Spectrofluorometer (Jasco FP-6200)	30	45	60	75			
3.4 Spectrofluorometer (Horiba FluoroMax4)	70	130	200	300			
3.5 Spectrofluorometer (Horiba FluoroMax+ and TCSPC)							
- Normal measurement	120	250	350	700			
- Lifetime measurement	200	350	550	1,000			
3.5 Nanodrop Spectrophotometer	7	11	14	18	Price per no. of counting		
3.6 Atomic Absorption Spectrometer							
- Flame or Hydride Generation Mode	140	250	280	350			
- Graphite Furnace Mode	200	300	350	450			
3.7 Microwave Plasma-Atomic Emission Spectrometry (MP-AES)	300	550	660	850			
3.8 LC-ICP-MS	1,000	1,400	Contact analyst				
Group 4 : Bioscience Instrument							
4.1 Microplate Reader (Tecan: Spark 10M)	70	130	200	300		96-well plate (Clear bottom)	400
4.2 Multimode Microplate Reader (PerkinElmer: Victor Nivo)						96-well plate (White Bottom)	200
- Without CO ₂	125	200	300	400		96-well plate (Black plate)	200
- With CO ₂	400	550	650	750		Cover plate	100
4.3 Flow Cytometer-Canto/Aria II/Attune (Cell Analysis)	300				30-49 samples (15% Discount) ≥50 samples (20% Discount)	Glass vial with Cap (20 ml)	20
			Contact analyst			FACS Tube-SNAP Cap/Tube	7
4.4 Flow Cytometer-Arial II (Cell Sorting)	1,200					FACS Tube-SNAP Cap/Pack	625
						FACS Tube-No Cap/Tube	5
						FACS Tube-No Cap/Pack	500
4.5 Real Time PCR (ABI-7500)	55	85	110	135		FACS Cell strainer Cap/Tube	30
4.6 Plant Photosynthesis System (LICOR)*						FACS Cell strainer Cap/Pack	750
- Without CO ₂ Tube	500	SC Staff Only*			Price per day		
- With CO ₂ Tube	750						
- CO ₂ Tube	250						

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4.7 Extracellular Flux Analyzer (Seahorse XFe24) - Usage charge per hour - Usage charge per day (24 hr)	220 5,000	400 8,000	500 10,500	600 13,500			
4.8 Surface Plasmon Resonance (Biacore X100)	500	600	700	800			
Group 5 : Sample Preparation							
5.1 Ultracentrifuge (L-100)	35	50	70	90		Centrifuge tube (Rent/Tube)	10
5.2 Ultracentrifuge (Optima XPN-100)	200	300	400	500			
5.3 High-speed centrifuge (J-E)	100	200	300	400			
5.4 Superspeed Centrifuge (J2-MC)	45	70	90	120			
5.5 Superspeed Centrifuge (X-22R)	45	70	90	120			
5.6 Microcentrifuge (FRESCO 17)	20	30	40	60			
5.7 Autoclave	30	45	60	75			
5.8 Shaker Incubator	10	15	20	25	Discount 30% when using more than 24 hr.		
5.9 Freeze Dryer (Supermodulyo)	50	75	100	125	Discount 10% when using more than 24 hr.		
5.10 Freeze Dryer (Labconco)	50	75	100	125	Discount 10% when using more than 24 hr.		
5.11 Speed Vacuum Concentrator	50	75	100	125			
5.12 Rotary Evaporator	30	45	60	75			
5.13 Homogenizer (Dispersive)	20	30	40	50	(Dispersion Homogenizer)		
5.14 Microwave Digestion System	450	500	600	800			
5.15 Ultra Sonic Homogenizer - Large Probe (TT13) - Small Probe (MS72)	40 80	60 120	80 160	100 200	Price for limited use not over 15 min/ time		
Group 6 : Thermal Analysis					50% Discount when using user's probe		
6.1 DSC 8000 - Without Liquid N ₂ (-70 - 500 °C) - With Liquid N ₂ (-160 - 500 °C)	350 650	550 850	Contact analyst		Price per sample		
6.2 TGA 4000 (Temperature range 30 - 900 °C)	450	650	Contact analyst				
6.3 Isothermal Titration Calorimeter (PEAQ-ITC)	450	600	750	1,000			
Group 7 : Materials Science Instrument							
7.1 X-ray Photoelectron Spectroscopy (XPS)	750	Contact analyst		Price per hour			
7.2 Surface Area And Porosity - BET (surface area) - Isotherm (surface area and pore size) - Micro pore (P/P ₀ < 0.001) - Sample preparation and data processing	1,500 2,500 3,000 50	Contact analyst		Price per sample			
7.3 Atomic Force Microscope (AFM) - Usage charge per hour - Usage charge per day (09.00 - 17.00 Hr.)	220 1,500	320 2,300	400 2,700	500 3,400	Cantilever for Contact mode/Non-Contact mode Cantilever for In Liquid mode/Force Modulation mode Cantilever for E-AFM mode Cantilever for Fast Scan mode Cantilever for Magnetic Force Microscopy	1,000 1,000 1,400 1,600 1,800	
Group 8 : Confocal Nano Imaging							
8.1 CLSM FV1000	1,000	1,700	2,200	3,300			
8.2 FESEM SU-8010	800	1,500	2,000	2,700			
8.3 Macro Zoom Fluorescent, MVX10	100	250	350	500			
8.4 Live Fluorescent Cell Imaging, IX83	100	250	350	500			
8.5 Upright Fluorescent, BX53	20	50	100	300			
8.6 Critical Point Dyer	200	300	400	600			
8.7 Ultra Microtome (section 3 hrs)	50	100	200	300	Price per section		
8.8 EDX	200	400	500	500	Price per file		
8.9 Ion Sputter (Coating)	300	450	600	900			
Group 9 : Water Purification Systems							
8.1 Reverse Osmosis (RO)	3/L	7/L	10/L	15/L	Minimum providing 1 liter		
8.2 Type II: Pure water	15/L	30/L	40/L	50/L			
8.3 Type I: Ultrapure water	20/L	45/L	60/L	80/L			

