



Instrument	Rental Cost (Baht/Hour)				Other/Accessories	Price
	SC staff	Mahidol	Government	Private		
Group 1 : Liquid Chromatography						
1.1 HPLC 600-717 Autosampler-PDA996	100	150	200	250	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-FluoroFP2020-UV/Vis2487	100	150	200	250	Septum PTFE 9 mm x 0.01"	1
1.5 HPLC e2695-RI2414-UV/Vis2489	100	160	250	350	Vial 1.5 ml (clear) w/cap	20
1.6 HPLC (Shimadzu: Nexera LC-40D XR)					Insert vial w/spring	30
- Fluoro-PDA	300	400	500	650	Insert vial	20
- ELSD	400	500	650	850		
1.7 LC-MS/MS (UHPLC-Q-Exactive HF)	Contact analyst					
Group 2 : Gas Chromatography						
2.1 GC 6890-FID-NPD	90	135	180	225	Filter nylon 0.20, 0.45 µm	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		
2.4 GC-MSD5977B with PAL-RTC120	300	500	Contact analyst			
Group 3 : Spectrophotometry						
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) - [Salaya]	70	130	200	300		
3.5 Spectrofluorometer (Horiba FluoroMax+ and TCSPC) - [Payathai]						
- Normal measurement	120	250	350	700		
- Lifetime measurement	200	350	550	1,000		
3.6 Nanodrop Spectrophotometer	40	80	120	200		
3.7 Atomic Absorption Spectrometer						
- Flame or Hydride Generation Mode	140	250	280	350		
- Graphite Furnace Mode	200	300	350	450	Cup for GFAAS 1 ml	2
3.8 Microwave Plasma-Atomic Emission Spectrometry (MP-AES)	300	550	660	850		
3.9 LC-ICP-MS	1,000	1,400	Contact analyst			
3.10 Dynamic Light Scattering (DLS) (Malvern Panatical: Zetasizer Ultra)	200	300	400	500	DLS Cuvette and Cup DTS 0012/set	90
					DLS Zeta Cell and Cup DTS 1070/set	1,400
Group 4 : Bioscience Instruments						
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, black plate)	200
- Without CO ₂	125	200	300	400	Cover plate	100
- With CO ₂	400	550	650	750	Glass vial with cap (20 ml)	20
					FACS tube-SNAP cap/tube	7
					FACS tube-SNAP cap/pack	625
4.3 Flow Cytometer-					FACS tube-no cap/tube	5
- Cell Analysis (Thermo: Attune Nxt/BD: FACS, Canto/BD: FACS Aria II)	1,200	Contact analyst			FACS tube-no cap/pack	500
- Cell Sorting (BD: FACS Arial II)					FACS cell strainer cap/tube	30
					FACS cell strainer cap/pack	750
4.4 Surface Plasmon Resonance (Biacore X100)					Plastic vials 1.5 ml (sample vial)	10
- Usage charge per hour	400	500	600	700	Rubber cap Type II (sample cap)	35
- Usage charge per day (24 hr)	9,250	11,650	14,000	16,400		
4.5 Extracellular Flux Analyzer (Seahorse XFe24)					Seahorse XFe24 FlexPlex set	17,840
- Usage charge per hour	220	400	500	600	Seahorse XFe24 FlexPlex set/box	107,000
- Usage charge per day (24 hr)	5,000	8,000	10,500	13,500		

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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	PP-rotor JA-14 (250ml)	2,670		
5.3 High-speed centrifuge (J-E)	100	200	300	400	PP for rotor JA-20 (50ml)	1470		
5.4 Superspeed Centrifuge (J2-MC)	45	70	90	120	QS PP for rotor 90 Ti	365		
5.5 Superspeed Centrifuge (X-22R)	45	70	90	120	QS PP for rotor 70 Ti	290		
5.6 Microcentrifuge (FRESCO 17)	20	30	40	60	QS PP for rotor 45 Ti	500		
5.7 Autoclave	30	45	60	75	PP for rotor 41 Ti	335		
5.8 Shaker Incubator	10	15	20	25	Ultra-clear (UC) for rotor 41 Ti	500		
5.9 Freeze Dryer (Supermodulyo)	50	75	100	125				
5.10 Freeze Dryer (Labconco)	50	75	100	125				
5.11 Speed Vacuum Concentrator	50	100	175	220				
5.12 Rotary Evaporator (R-200) [เก่า]	30	45	60	75				
5.13 Rotary Evaporator (Expert Control) [ใหม่]	50	95	140	185				
5.14 Homogenizer (Dispersive) – Basic [เก่า]	20	30	40	50				
5.15 Homogenizer (Dispersive) – Digital [ใหม่]	20	60	100	140				
5.16 Microwave Digestion System	450	500	600	800				
5.17 Ultra Sonic Homogenizer (VCX-500) [ใหม่]	40	75	120	200				
5.18 Ultra Sonic Homogenizer (HD 2200) [เก่า]	50	90	140	220				
Group 6 : Thermal Analysis								
6.1 DSC 8000								
- Without Liquid N ₂ (-70 - 450 °C)	350	550	Contact analyst		Price per sample			
- With Liquid N ₂ (-160 - 450 °C)	650	850						
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 Instruments								
7.1 Atomic Force Microscope (AFM)					Cantilever for Contact mode/Non-Contact mode	1,000		
- Usage charge per hour	220	320	400	500	Cantilever for In Liquid mode/Force Modulation mode	1,000		
- Usage charge per day (09.00 - 17.00 hr)	1,500	2,300	2,700	3,400	Cantilever for E-AFM mode	1,400		
					Cantilever for Fast Scan mode	1,600		
					Cantilever for Magnetic Force Microscopy	1,800		
Group 8 : Nanoimaging Instruments								
8.1 CLSM FV1000	1,000	1,700	2,200	3,300	ค่าอุปกรณ์ TEM (ฟรี 50 รูปแรก) รูปถัดไปรูปละ Carbon film supported copper grid for TEM Formvar film supported copper grid for TEM	50 200 150		
8.2 CLSM FV4000	1,500	2,000	2,500	3,500				
8.3 FESEM SU-8010	800	1,500	2,000	2,700				
8.4 TEM (JEM-2100PLUS)	1,500	2,000	Contact analyst					
8.5 Macro Zoom Fluorescent, MVX10	150	200	250	350				
8.6 Benchtop Fluorescence Microscope, APX100	500	750	1,000	1,500				
8.7 Live Fluorescent Cell Imaging, IX83	100	250	350	500				
8.8 Upright Fluorescent, BX53	150	200	250	350				
8.9 Benchtop Fluorescence Microscope	500	750	1,000	1,500				
8.10 Critical Point Dyer	200	300	400	600			Price per time	
8.11 Ultra Microtome (section 3 hrs)	50	100	200	300			Price per section	
8.12 EDX / EDS	200	400	500	500			Price per file	
8.13 EDX / ESD (Mapping)	400	800	1,000	1,000			Price per file	
8.14 Ion Sputter (Coating)	300	450	600	900			Price per time	
8.15 Slide Scanner	100	200	300	400			Price per slide	
8.16 Single Molecule Localization Microscopy	550	650	750	850				
Group 9 : Water Purification Systems								
9.1 Reverse Osmosis (RO)	3/L	7/L	10/L	15/L	Minimum providing 1 liter			
9.2 Type II: Pure water	15/L	30/L	40/L	50/L				
9.3 Type I: Ultrapure water	20/L	45/L	60/L	80/L				

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หมายเหตุ: การคิดอัตราค่าบริการจะคิดตามเวลาที่ใช้งาน และบวกเพิ่มตามชั่วโมงที่ใช้เกินจากที่จองไว้