



**CENTRAL RESEARCH AND ANIMAL FACILITY (CREAM)
KULLIYAH OF SCIENCE**

RESEARCH LABORATORY EQUIPMENT AND USAGE CHARGES

As endorsed in IKCM (Jan 2018) and KOS KMM (Dec 2017)

3rd ed. - EFFECTIVE MARCH 2019

Lab/Section	Sub section	Instrument	Unit	IIUM		Non-IIUM			
				*20% off for KOS		Government		Private	
				Price/Unit	Monthly	Price/Unit	Monthly	Price/Unit	Monthly
Molecular	General Molec.	Digital Dry Bath	day	FOC					
		Gel Air Dryer		FOC					
		Gel Documentation System (Chemidoc)		FOC					
	DNA/ RNA	qPCR - Real-time	3 hrs	5	50	10	100	20	200
		Thermal Cycler	3 hrs	2	20	10	100	20	200
		Gel Electrophoresis System Horizontal	day	5	50	10	100	20	200
		Gel Electrophoresis System Vertical	day	5	50	10	100	20	200
Protein	Mini Protean Tetra Cell	day	5	50	10	100	20	200	
	Semi Dry Protein Transfer	day							
		Western Blot Scanner	day						
Tissue Processing and Sectioning	Processing	Automated Tissue Embedding Centre	day	100	1000	250	2000	500	2500
		Automated Tissue Processor							
	Sectioning	Rotary Microtome *+Rm 50 for new blade							
		Flotation Bath							
	Staining	H&E Staining station							
Microscopy and cell imaging	Light	Compound Microscope 4x - 100x	day	5	50	10	100	15	150
	Fluorescence/ Special use	CYTELL Cell Imager	day	10	NA	20	NA	25	NA
		Cell Imaging System (EVOS XL)	day	5	50	10	100	15	150
		Inverted Microscope with camera	day	5	50	20	200	25	500
		Micromanipulator (Inverted microscope)	day	20	NA	40	NA	50	NA
		Stereomicroscope	day	5	50	20	200	25	250
		Fluorescence Microscope (upright microscope)	day	20	NA	40	NA	50	NA
Cell biology	Cell Culture Room	Biosafety Cabinet Airstream Class II	day	10	100	20	200	25	500
		Carbon Dioxide (CO2) Incubator							
		Miscellaneous: > Storage (locker / fridge) > Water bath (+treatment) > Biohazard plastic > Micropipette + pump pipette > 70% ethanol spray > Tissue roll > Gloves/ mask							
	Documentation	Cell Imaging System (Evos XL)	use	20	NA	40	NA	50	NA
	Analysis	Flowcytometer	hour	2	20	5	50	7	70
		Microplate Reader	hour	2	20	5	50	7	70
Analytical		Chemistry Analyzer		*quotation upon request					
		Dynabeads MX1 (6 tubes/ 1 tube)	day	5	50	10	100	15	150
		Freeze Dryer	day	10	100	20	200	25	500
		Multiparameter Handheld Meter	day	20	200	40	400	50	1000
		Rotary Evaporator	day	10	100	20	200	25	500
		Chenomx Suite Software	day	FOC	FOC	5	50	10	100
Storage *FOC for lab user with terms and condition *fees applicable for storage rental only	(-20°C)	Chest Freezer (-20)	day	5	30	10	100	15	150
		Freezer (-20)	day	5	30	10	100	15	150
	(-80°C)	Freezer (-80)	day	5	30	10	100	15	150
		Laboratory Freezer (-40)	day	5	30	10	100	15	150
	(4°C)	Laboratory Glass Door Chiller, 2 doors	day	5	30	10	100	15	150
		Laboratory Refrigerator (+7)	day	5	30	10	100	15	150
		Refrigerator	day	5	30	10	100	15	150
		Refrigerator Top Mount Digital Inverted	day	5	30	10	100	15	150
Cryo	Liquid Nitrogen Storage Tank		*contact CREAM for further details						
	Liquid Nitrogen Storage Tank		*contact CREAM for further details						
General		Analytical Balance	day	FOC					
		Autoclave	day	FOC					
		Centrifuge	day	FOC					
		Convection Oven	day	FOC					
		Distilled water	day	FOC					
		Hotplate	day	FOC					
		Ice Flake Machine	day	FOC					
		Incubator Orbital Shaker	day	FOC					
		Magnetic Stirrer	day	FOC					
		Micropipette	day	FOC					
		Mini centrifuge	day	FOC					
		Mini Rocker	day	FOC					
		Mixer roller	day	FOC					
		pH Meter	day	FOC					
		Refrigerated Centrifuge	day	FOC					
		Shaker	day	FOC					
		Tube Roller	day	FOC					
	Ultra pure water	day	FOC						
	Ultrasonic Cleaner	day	FOC						
	Water bath	day	FOC						