

Key Equipment Charges for Environment Lab Cluster

(Revised and rate effective on 3 Jan 2023)

Equipment	Staff In-Charge	Training Fee New Charging Rate (SGD)	Trained Users New Charging Rate (SGD / Hr)	Internal		External	Training Prerequisite/ Post Training Evaluation/ Remarks
				CEE with Assistance New Charging Rate (SGD / Hr)	NTU with Assistance New Charging Rate (SGD / Hr)	Academic / Non-Academic New Charging Rate (SGD / Hr)	
TOC /TN (Liquid)	HK	-	-	55	105	-	-
HPLC	CW	110 (Only for CEE)	25 (Only for CEE)	-	-	-	Post training - Use the instrument for at least 5 hours within 2 months after training. Lab staff will standby for assistance for the first 2 sessions. Users shall provide any specialized parts, columns or standards.
ICPOES	CY	165 (CEE), 330 (NTU)	65 (CEE) 130 (NTU)	85	170	385	Min 1 hour charged. Other consumables usage charges apply.
CHNS Analyzer	HK	105(CEE/NTU)	105 (CEE) 168 (NTU)	-	-	-	Post training - Lab staff will standby for assistance on equipment operation enquiry from the user or solving a hiccups arise during the equipment operation.
UV Visible Spectrophotometer (Solid/Liquid)	JC	-	15 (CEE), 25 (NTU)	-	-	-	User will need to book the equipment with a minimum usage of 1 hour.
Thermogravimetric Analyzer	CW	55 (CEE) 110 (NTU)	35(CEE) 70 (NTU)	80	110	-	Post training - Use the instrument for at least 5 hours within 2 months after training. Lab staff will standby for assistance for the first 2 sessions.
FTIR Spectrometer	CW	55 (CEE) 110 (NTU)	20 (CEE) 40 (NTU)	-	-	-	Post training - Use the instrument for at least 5 hours within 2 months after training. Lab staff will standby for assistance for the first 2 sessions
TG-IR	CW	85 (CEE) 190 (NTU)	50 (CEE) 100 (NTU)	-	-	-	Post training - Use the instrument for at least 5 hours within 2 months after training. Lab staff will standby for assistance for the first 2 sessions
Differential Scanning Calorimeter	JC	105 (Only for CEE)	55 (CEE), 105 (NTU)	-	-	-	User will need to book the equipment with a minimum usage of 1 hour.
Gas Pycnometer	JC	105 (Only for CEE)	45 (CEE), 85 (NTU)	-	-	-	User will need to book the equipment with a minimum usage of 1 hour.

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BET Surface Area Analyzer & Pore Size Analyzer	CW	85 (CEE) 130 (NTU)	110 (CEE) 210 (NTU)	210 per sample	265 per sample	-	Charges include vacuum degassing of at least 18 hours at 180 degree C depend on the nature of the samples. Price stated are for mesopore analysis.
Microwave Digester System	CY	55 (CEE), 110 (NTU)	30 (CEE), 60 (NTU)	55 per sample	110 per sample	-	Charges come with 10ml of trace metal grade nitric acid per sample. Additional acid volume will be charged \$1 per ml (CEE) and \$3 per ml (NTU). Minimum 5 samples will be charged.
Particle Size Analyser	HK	105 (CEE/NTU)	40 (CEE), 80 (NTU)	-	-	-	Post training - Lab staff will standby for assistance on equipment operation enquiry from
Laboratory Oven	CY	-	\$2/Hr or \$10/day (Only for CEE)	-	-	-	Charges at \$1 per hour or \$10 per same day. A minimum \$5 charge per booking applies.
Furnace	CW	-	\$15/Day (CEE) \$30/Day (NTU)	-	-	-	The maximum working temperature cannot exceed 1000°C.
Biosafety Cabinet	HK	-	\$ 11 / Day (Applicable to CEE Env Lab Custer Users)	-	-	-	Not Applicable to NTU other School & Centre Users and External
Ultra-centrifugal Mill	CW	-	\$25/Day (CEE) \$45/ Day (NTU)	-	-	-	A minimum \$10 charge per booking applies.

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