Centre for Advanced Research in Sciences (CARS)
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Rate Chart of the Analytical Services of CARS

The following rate of analytical services of CARS:
Category A: DU teachers and students doing M. S./M. Phil./Ph. D under DU.
Category B: Local/Foreign funded project samples of DU teachers/researchers.
Category C: Analytical service to private/public organizations, individuals and others.

	Service	Rate (Tk.)		
		Category A	Category B	Category C
1.	14L Benchtop Bioreactor per 24hour	8,000	10,000	14,000
2.	7L Benchtop Bioreactor per 24hour	5,000	7,000	9,000
3.	AAS Sample Digestion using MW (additional cost for AAS analysis)	216	255	315
4.	AAS, Flame method, per element	180	325	675
5.	AAS, Furnace method, per element	504	728	1200
6.	Accelerated Stability Chamber (per month)	2,000	3,000	5,000
7.	Antibacterial assay (per bacteria)	1,500	1,750	2,000
8.	Antifungal assay (per fungus)	1,500	1,750	2,000
9.	Ashing furnace/batch	72	170	215
10.	Autoclave	72	156	195
11.	C,H,N,S analyzer	600	975	1500
12.	Centrifugation (10,000 rpm/30 min) (PPR Lab)	300	400	600
13.	Centrifuge (4500 rpm) (-10 to 4^{o}C) (per 15 min) GEBRL	120	195	300
14.	Cholesterol (HPLC technique)/sample	2,000	2,500	3,000
15.	Conductivity meter	60	100	150
16.	Digital melting point	120	162	225
17.	Disintegration	200	300	400
18.	Dissolution tester	96	156	240
19.	DNA sequencing, per reaction	720	910	1500
20.	DNA/RNA Extraction (only for instrument use)	460	572	708
21.	DSC Minus temperature to RT	1,500	1,750	2,000
22.	DSC RT to 400 ^{o}C	600	910	1500
23.	ELISA reader (Only reading)	240	390	750
24.	Fat Analysis (per sample)	1,000	1,500	2,000
25.	Flame photometer	180	292	450
26.	Fluorescence microscopy (Every 15 min)	200	300	500
27.	Fluorescence Spectrophotometer	120	195	300
28.	Food Microbiology (Coliform, *E. coli*, APC)	6,000	7,000	8,000
29.	Freeze dryer	600	650	900
30.	Freezing at -80^{o}C (per box per month) Each box contains 81 holes for 2mL cryogenic tubes	500	800	1,000
31.	Friability Tester	100	200	300
32.	FTIR/ATR per sample	120	240	330
33.	Gas Chromatographic Analysis (Charges for every 30 minutes/per analysis)	360	390	450
34.	Gel documentation (10 samples)	120	195	300
35.	Hardness Tester	100	200	300
36.	HPLC per sample UV detector	750	1020	1370
37.	HPLC: Amino acid analysis by Fluorescence Detector	3030	3490	4225
38.	Human DNA fingerprinting service	10,000	10,000	10,000
39.	Hydrolysis disestion	250	350	600
40.	Incubator (per day)	100	200	400
41.	Ion chromatography	1,000	1,200	1,800
42.	Laser Induced Breakdown Spectroscopy, per element	60	130	210
43.	Microwave Digestion With consumables	200	305	380
44.	Microwave Digestion Without consumables	80	175	230
45.	Nano-drop spectroscopy (per batch, 10 samples)	100	150	200
46.	Orbital shaker (per day)	500	700	900
47.	Pathogens detection in food	6,000	7,000	8,000
48.	PCR per run	216	450	540
49.	Polarimeter	200	300	400
50.	Rotavapor (organic phase per hour)	250	300	500
51.	Rotavapor (Aqueous phase/hour)	300	500	600
52.	SEM-Inorganic sample-without sputtering (filament time every 15 minutes)	600	650	1500
53.	SEM-Inorganic sample/Biological sample-with Sputtering (filament time every 15 minutes)	720	780	1800
54.	SEM-EDS (filament time every 15 minutes)	840	910	2250
55.	Tap density Tester	100	200	300
56.	TGA RT to 600^{o}C	480	520	900
57.	TGA RT to 800 ^{o}C	720	780	1350
58.	TOC Analyzer	1,000	1,200	1,800
59.	Total protein analysis (per sample)	1,000	1,500	2,000
60.	Trinocular microscope	120	195	300
61.	UV Spectrophotometer/Absorbance at fixed λ/ Recording absorption spectrum	72	160	190
62.	Viscometer	60	100	150
63.	Vitamin B_6 (Microbial Assay)	10,000	12,000	15,000
64.	Vitamins (HPLC) [A, B_1, B_2, C, β- carotene]	1,500	1,750	2,000
65.	Gel Electrophoresis	350	400	500
66.	Total Microbial count	1500	2000	2500
67.	Impedance Analyzer	75	100	150
68.	XRD (Crystalline/Amorphous powder)	1000	1500	2000
69.	XRD (Thin Film/Bulk)	1500	2000	2500

Services at Cell & Tissue Culture Laboratory	Rate (Tk.)		
	Category A	**Category B**	**Category C**
70. Qualitative measurement of cytotoxic effect on a cancer cell line under a microscope. (the samples are needed to be sterilized)	Tk. 5000	Tk. 5500	Tk. 6000
	Per three samples, on single cell line		
71. Qualitative measurement of cytotoxic effect on a non-cancer cell line under a microscope. (sterilized samples only)	Tk. 5000	Tk. 5500	Tk. 6000
	Per three samples, on single cell line		
72. Determination of IC_{50} (half maximal inhibitory concentration) on a cancer cell line. (sterilized sample only)	Tk. 5000	Tk. 5500	Tk. 6000
	Per sample, Single time study		
73. Determination of IC_{50} on a non-cancer cell line. (sterilized sample only)	Tk. 5000	Tk. 5500	Tk. 6000
	Per sample, , Single time study		
74. Determination of ED_{50} (Effective dose for half of maximal response), LD_{50} on a cell line. (sterilized sample only)	Tk. 5000	Tk. 5500	Tk. 6000
	Per sample, , Single time study		
75. Digital Microscopy with inverted microscope for live observing and capturing images:	Tk. 200	Tk. 300	Tk. 400
	Per hour		
76. Speed Vac for vacuum concentration of DNA/RNA/phytochemical fractions in organic solution.	Tk. 1500	Tk. 2000	Tk. 2500
	Per hour		
77. Absorbance reading @ wavelengths (200 - 999 nm.), microplates (6- to 384- well plate).	Tk. 200	Tk. 300	Tk. 500
	Per plate		
78. Luminometer for measuring luminescent materials	Tk. 1500	Tk. 2000	Tk. 2500
	Per sample		
79. Dry heating/cooling (-10°C to 100°C) block suitable for 0.5 & 1.5 ml tubes.	Tk. 100	Tk. 200	Tk. 300
	Per hour		
80. Centrifugation: (a) Swing rotor (refrigerated; max. 50ml Falcontube, 5000 rpm) **(b)** Fixed Rotor (max. 1.5 ml, refrigerated 50ml Falcontube,15000 rpm)	Tk. 400	Tk. 500	Tk. 700
	Per 30 min		
81. PCR with UPS backup	Tk. 300	Tk. 450	Tk. 540
	Per run		
82. -80°C Ultralow Temperature Freezer with generator electricity backup to keep the freezing temperature always constant between -75°C and -80°C. Importantly, authority is not responsible for any kind of damage of your samples due to sudden machine failure. You have to remove the samples with short notice if servicing of the freezer is required. It will be charged every year until termination.	Tk. 400	Tk. 600	Tk. 750
	Per month for each box (81 holes).		
83. Other cell culture based study	Tk. 5000	Tk. 5500	Tk. 6000
	Per set of consumables		
84. Nanopure water (Media preparation, PCR grade)	Tk. 200	Tk. 350	Tk. 500
	Per liter		
85. Using laboratory facilities of cell culture lab (without using consumables**).**	Tk. 5000	Tk. 5500	Tk. 6000
	Per month		