

**Basirhat College,
Department of Chemistry,
Basirhat, N 24 PGS, WB, India**

Tender: Enquiry for Chemicals and Glass Apparatus.

Enquiry No. **BC/ CHEM-01/ 2021**

Closing Date: **22.01.2021**

Sealed quotations are invited for following **Chemicals and Glass Apparatus** for the Research and Bio-Chemistry Lab of the Department of Chemistry to conduct a project entitled "*Synthesis of biologically relevant carbocyclic and heterocyclic scaffolds via activation of enyne units under metal catalyzed or metal-free conditions and their preliminary screening based on activities on biological systems*" sanctioned by "*Science and Technology and Biotechnology Department*", Govt. of West Bengal (Sanction no. **1856 (Sanc.)/ ST/ P/ S&T/ 15G-6/ 2019** dated **14.02.2020**; PI: **Dr. Swastik Karmakar**, Associate Professor, Dept. of Chem.) :-

For Bio-Chemistry Lab.

1. Dubelco's Modified Eagle's Medium (DMEM, Sigma) 500 mL
2. I-glutamine (1 g/L)
3. Fetal bovine serum (FBS) 10% 500 mL
4. Penicillin-Streptomycin (pen-strep or PS) 100 mL
5. Trypsin-EDTA Solution, 1 X frozen 100 mL or TrypLE Select Dissociation Reagent (Gibco)
6. Phosphate-Buffered Saline (PBS) pH 7.4 (1X), liquid
7. Glass and Plastic ware (all autoclavable)
8. Cell culture flask (surface area 25 cm², angled neck, with cap)
9. Cell culture Dish (60mm)
10. Cell culture plate (24 wells)
11. Micropipette tip 5ml, 1ml, 500 µl
12. Test tube 10 ml
13. HeLa Cell line

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Serial No.	Chemicals	Serial No	Chemicals	Serial No.	Glass apparatus
1	Ethyl acetate (25 L)	28	p-Hydroxy Benzaldehyde(25g)		
2	Hexane (25 L)	29	DMF (500 ml)	1	head 14B/19B/24B
3	Diethyl ether (2.5 L)	30	Methyl iodide (50 ml)	2	Tail 14B/19B/24B
4	Dichloro methane (2.5 L)	31	Xylene (500 ml)	3	Glass vial for column
5	Toluene (500 ml)	32	Sodium bicarbonate (500g)	4	Glass vial for sample
6	Dichloroethane (250 ml)	33	Cesium Carbonate	5	Glass Column
7	Acetonitrile (500 ml)	34	Pd (OAc) ₂	6	Spatula
8	Ethanol (500 ml)			7	Bar magnet (small & medium)
9	Ammonium Chloride (500 g)			8	RB 250ml/100ml/50 ml
10	Flash Silica 230-400 (500 g)			9	Sealed Tube (25ml/50ml)
11	Sodium Sulphate (1 kg)			10	Septum 14B/19B/24B
				11	Plastic clamp
12	Triethylamine (500 ml)			12	two way trap
13	THF			13	Separating Funnel 125 ml
15	2-iodoaniline (25 g)			14	Test-tube washing Brush
16	2-iodobenzaldehyde (25 g)			15	Dropper with tip
17	Pd(PPh ₃) ₄			16	TLC plate 60F254 (Merck German)
18	1-Hexayne (25 ml)				
19	3-butyne-1-ol (25 ml)				
20	ZnI ₂ (5 g)				
21	Cu(OTf) ₂ (5 g)				
22	BI(OTf) ₃ (5 g)				
23	Phenylacetylene (25 ml)				
24	Feric Triflate (5 g)				
25	Acetone (2.5 L)				
26	2-methyl bezaldehyde (25 g)				