

**Pharmacology Laboratory Year: 2025-2026**

Sr. No.	Name of Item	Requirement/purchased during the year	Brand	Whether item is available on GEM Yes/ No	Past year quantity (01-08-2021 to Till Date)	Past year expense	Estimated quantity	Estimated expense	Remarks
<b>Chemicals</b>									
1.	Potassium hydroxide pellets ACS 85%	2024-25	<b>SRL</b>	No	1	390=00	This chemical may or may not be require or some additional chemicals also may require depend on research topic selected by research scholars/ projects etc.	Approx. 2,50,000/-	
2.	Phloroglucinol extrapure AR, 99%	2024-25			1	1120=00			
3	Ethylene glycol				1	500=00			
4	Sodium Azide extrapure AR.99%				1	720=00			
5	Streptozotocin extrapure, 98% 250 mg & 500 mg				2	1108=00			
6	Trichloroacetic acid extrapure, 99%				--	--			
7	D-Fructose extrapure				2	1108=00			
8	β-Nicotinamide Adenine Dinucleotide extrapure				--	--			
9	Silver nitrate extrapure AR				--	--			
10	Folin & ciocalteu's phenol (FCP) reagent AR				1	1050=00			
11	Nitro BT (NBT) extrapure AR				--	--			
12	Sodium Phosphate Monobasic extrapure AR.99%				2	1404=00			
13	Sodium Phosphate Dibasic extrapure AR.99%				2	1154=00			
14	Phenol crystalline extrapure AR				--	--			
15	DPPH extrapure,95%				1	5070=00			

16	Sodium hydroxide pellets extrapure AR				2	465=00		
17	P- Dimethylaminobenzaldehyde extrapure AR,99%				1	1590=00		
18	Trichloroacetic acid	2024-25	<b>Sigma Aldrich</b>	No	1	9,467=12	-do-	
19	Acetaldehyde				1	5,829=92		
20	Freund's adjuvant complete				--	--		
21	Sodium lauryl sulphate				1	3,860=00		
22	Riboflavin				1	6,576=00		
23	Reduce Glutathione				1	3,560=00		
24	2- Thiobarbituric acid	2024-25	<b>Merck</b>	No	--	--	-do-	
25	Anthrone				--	--		
26	Diethyl ether LR	2024-25	<b>Rankem</b>	No	1	1840=00	-do-	
27	Aluminium chloride Anhydrous AR				1	825=00		
28	Methanol LR				4	2,560=00		
29	Perchloric acid 70 %				1	2700=00		
30	Conc Hydrochloric acid AR				2	729=80		
31	Conc Sulphuric acid AR				2	829=20		
32	Acetic acid				4	1000=00		
33	Nitric acid				No	1		230=00
34	Sodium chloride			--	--			
35	Chloroform			--	--			
36	Formaldehyde solution (37-41 % w/v)			2	1.082			
37	Indicator Paper (pH 2-4.5)	2024-25	<b>Rankem / Finar</b>		10 Bkts	335=00	-do-	
38	Indicator Paper (pH 5-7.5)			10 Bkts	335=00			
39	Indicator Paper (pH 6.5-9)			10 Bkts	335=00			
40	DE-IONIZED WATER	2024-25	<b>Lab Ultra</b>	No	20 Ltrs	3600=00	-do-	
41	Copper sulphate	2024-25	<b>CDH</b>	No	--	--	-do-	
42	Sodium azide				--	--		
43	Sulphanilamide				--	--		
44	m- Phosphoric acid (glacial				--	--		

	stick)								
45	N-1-Naphthyl ethylene diamine dihydrochloride 99% AR	2024-25	<b>Loba Chemie</b>	No	--	--	-do-		
<b>Glasswares</b>									
1	Beaker	2024-25	<b>Borosil/ J-sil</b>	No	--	--	-do-	Approx. 50,000/-	
2	Conical flask			No	--	--			
3	Volumetric flask			--	--				
4	Spatula (Micro chattway)			--	--				
5	Spatula (one end flat and one end spoon)			5	123.75=00				
6	Evaporating dish			--	--				
7	Measuring cylinder 100ml			2	78=00				
8	Measuring jugs 2000ml			2	252=00				
9	Test tubes 18 mm × 24 holes			5	950=00				
10	Test tubes 18 mm × 36 holes			5	1200=00				
11	Test tubes 25 mm × 24 holes			5	1400=00				
12	Test tubes 25 mm × 36 holes			5	2350=00				
13	Separating Funnels			--	--				
14	Burette R/F S/c, A; 50ml			1	1050=00				
15	Burette PTFE,S/c A; 50ml			1	1218.75=00				
16	Stirring Rod, glass	2024-25	<b>Religlass</b>	No	--	--			
17	Watch glass			--	--				
18	Petri dish			--	--				
19	Quartz Cell			--	--				
20	Burette (Class-A)	2024-25			2	3025=00			
21	Burette clamp			2	300=00				
22	Measuring cylinder 500 ml			1	960=00				
23	Measuring cylinder 100 ml			2	1140=00				
24	Pipette Bulb Medium, Rubber			5	93.75=00				
25	Pipette Bulb Large, Rubber			5	120=00				
26	Test tubes rimless			300	2850=00				
27	Chemical Thermometer			2	157.50=00				

	(110° C × 1° C)								
28	Draining Rack			No	1	2700=00			
29	Centrifuge Tube Graduated (Polypropylene)				(Pack of 100) x 2	1350=00			
30	Heating Mantle- 1000 ml Capacity				1	2512=50			
31	Heating Mantle- 2000 ml Capacity				1	3112=50			
<b>Filter Papers</b>									
1	Quantitative filter paper- Ashless grade GR 41	2024-25	<b>Whatman</b>	No	100/PK	4380=00	-do-	Approx. 10,000/-	
2	Quantitative filter paper- Ashless grade GR 42				100/PK	4150=00			
<b>Syringe, Plastic ware items</b>									
1	All clear Desiccator Vacuum 200 mm	2024-25	<b>Tarson</b>	No	1	3318=00	-do-	Approx. 40,000/-	
2	All clear Desiccator Vacuum 250 mm				1	4260=00			
3	Plastic ware items	2024-25			--	--			
4	Syringe with needle 1 ml, 2ml, 3 ml, 5 ml, 10 ml	2024-25	<b>Dispovan</b>	No	--	--			
5	Nitrile gloves	2024-25	<b>Moxcare</b>	No	--	--			
6	Yellow tips	2024-25	<b>P fact</b>		--	--			
7	Blue tips				--	--			
8	Items for <i>In-vitro</i> studies	2024-25	<b>Hi- Media</b>	No	--	--			
9	Sodium bisulphite AR				--	--			
10	Chemicals, Media items				--	--			
11	Single use needle 26×1/2(0.45×13mm), 24×1(0.5×25mm), 216×1(0.5×25mm)	2024-25	<b>Dispovan</b>	No	--	--			
12	K3 EDTA 1ml microtubes	2024-25	<b>Labtech Disposable</b>	No	--	--			
13	White Screw cap storage vial(1.5ml, 2ml, 3ml, 5ml)	2024-25		No	--	--			

14	Eppendroff close cap vial (1.5ml,0.5ml,1ml)	2024-25			--	--			
15	Micro pipette tips for 200 µl,300 µl,1000 µl,100 µl,10 µl, 2 µl	2024-25			--	--			
16	Mini pipette filtertip for 200 µl,300 µl,1000 µl,100 µl,10 µl, 2 µl	2024-25			--	--			
17	Microslide Box	2024-25		No	--	--			
18	Micro capillary 90mm length	2024-25	<b>Top Tech Biomedical</b>	No	---	--			
19	Rubber Gloves medium size 100 n	2024-25	<b>Nulife-triple safety</b>	No	--	--			
<b>Kits</b>									
1.	Adiponectin Pro Quantum Immunoassay Kit 96	2024-25	<b>Thermo fisher</b>	No		52,674=00	-do-	Approx. 2,26,356/-	
2.	Leptin Pro Quantum Immunoassay Kit 96					52,674=00			
3.	Rat IL1 Beta					40,219=00			
4.	Rat IL-6(Interleukin-6)		<b>Elabscience</b>		No	41,942=00			
5.	Rat Kim-1(Kidney injury molecule)		<b>EIK biotechnology</b>		No	38,807=00			
<b>Gene</b>									
1.	RN_TP53_2416583 QuantiNova LNA PCR Assay (200 rxns)		<b>QIAGEN</b>			10,990=00	-do-	Approx. 1,50,000/-	
2.	RN_ATM_2357278 QuantiNova LNA PCR Assay (200 rxns)	2024-25				10,990=00			
3.	RN_CASP3_2367424 QuantiNova LNA PCR Assay (200 rxns)	2024-25			No				10,990=00

4.	RN_GADD45A_2423621 QuantiNova LNA PCR Assay (200 rxns)	2024-25		No		10,990=00			
5.	RN_PTGS2_2366356 QuantiNova LNA PCR Assay (200 rxns)	2024-25		No		10,990=00			
6.	RN_GAPDHS_2396195 QuantiNova LNA PCR Assay (200 rxns)	2024-25		No		10,990=00			
7.	QuantiNova SYBER Green PCR kit	2024-25		No		36,580			