

## Notice for Purchase of Research Chemicals/Consumables

Sealed quotations are invited from reputed vendors/suppliers/manufacturers for the supply of the following items to the Dept. of Biotechnology & GCGB, University of Calcutta, 35, Ballygunge Circular Road, Kolkata- 700019. The quotation should reach the lab Departmental Office latest by 27.01.2021, 4:00 P.M. for consideration of evaluation for ordering/purchase. Vendor are requested to quote for all the available pack sizes.

S.N.	Instrument/Material/Chemical	Make	Specification		Remark
<b>KITS</b>					
1	Immunohistochemistry kits and reagents(DAB).	Abcam			Mouse and Rabbit
2	Mouse Th1/Th2 Cytokine Kit	BD OptEIA			
3	Mouse IgE ELISA Kit	BD OptEIA			
4	QIAPREP SPIN MINIPREP KIT	QIAGEN			
<b>RESEARCH CHEMICALS</b>					
1	L-N6-(1-IMINOETHYL)LYSINE DIHYDROCHLORIDE (L-NIL )	SIGMA			
2	PROTEASE INHIBITORY COCKTAIL	SIGMA			
3	BEC HYDROCHLORIDE	SIGMA			
4	$\alpha$ -ISONITROSOPROPPIOPHENONE	SIGMA			
5	SREPTAVIDIN AGAROSE	SRL/SIGMA/HIMEDIA			
6	CHOLINE BITITRATE	SRL/SIGMA/HIMEDIA			
7	N, N-DIMETHYLFORMAMIDE (DMF)	SRL/SIGMA/HIMEDIA			
8	4-DIMETHYLAMINO BENZALDEHYDE	SRL/SIGMA/HIMEDIA			
9	HYDROXYPROLINE	SRL/SIGMA/HIMEDIA			
10	CATALASE	SRL/SIGMA/HIMEDIA			
11	SUPEROXIDE DISMUTASE	SRL/SIGMA/HIMEDIA			
12	STREPTOZOTOCIN	SRL/SIGMA/HIMEDIA			
13	ALBUMIN FROM CHICKEN EGG WHITE (GRADE V)	SIGMA			
14	5-AMINO LEVULENIC ACID	SRL/SIGMA/HIMEDIA			
15	H4B (6R)-5,6,7,8-TETRAHYDRO-L-BIOPTERIN.2HCL				
16	ASCORBIC ACID	MERCK/SRL			
17	IPTG (ISOPROPYL B-D-THIO GALACTOPYRANOSIDE)	SRL/SIGMA			
18	DNASE	SRL			
19	RNASE	SRL			
20	FLAVIN ADENINE DINUCLEOTIDE DISODIUM SALT HYDRATE	SRL/SIGMA/HIMEDIA			
21	FMN (FLAVIN MONONUCLEOTIDE)	SRL/SIGMA/HIMEDIA			
22	NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE TETRASODIUM SALT (REDUCED)	SRL/SIGMA/HIMEDIA			
23	NICKEL CHLORIDE	SRL/SIGMA/HIMEDIA			
24	HEMOGLOBIN	SRL/SIGMA/HIMEDIA			

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25	4-BENZENESULFONYL FLUORIDE HYDROCHLORIDE (AEBSF)	SRL/SIGMA/HIMEDIA A			
<b>S.N.</b>	<b>Instrument/Material/Chemical</b>	<b>Make</b>	<b>Specification</b>		<b>Remark</b>
26	BESTATIN	SRL/SIGMA/HIMEDIA A			
27	E64	SRL/SIGMA/HIMEDIA A			
28	APROTININ	SRL/SIGMA/HIMEDIA A			
29	PEFABLOC SC	SRL/SIGMA/HIMEDIA			
30	NΩ-HYDROXY-NOR-L-ARGININE DIACETATE	SRL/SIGMA/HIMEDIA			
31	SULFANILOMIDE	SRL/SIGMA/HIMEDIA			
32	PHOSPHORIC ACID	SRL/SIGMA/HIMEDIA			
33	NAPHTYLENEDIAMINE (N-(1-NAPHTHYL)-ETHYLENEDIAMINE)	SRL/SIGMA/HIMEDIA			
34	PYRUVIC ACID SODIUM SALT	SRL/SIGMA/HIMEDIA			
35	CLOTRIMAZOLE	SRL/SIGMA/HIMEDIA			
36	L-ARGININE	SRL/SIGMA/HIMEDIA			
37	HEPES	SRL/SIGMA/HIMEDIA			
38	RIPA CELL LYSIS BUFFER	HIMEDIA			
39	PMSF	SRL/SIGMA/HIMEDIA			
40	PROTEASE INHIBITORY COCKTAIL (HISTIDINE TAGGED PROTEINS)				
41	DNPH	SRL/SIGMA/HIMEDIA			
42	DEXTROMETHORPHAN HYDROBROMIDE (DXM)	SRL/SIGMA/HIMEDIA			
43	DMEM MEDIA	HIMEDIA			
44	SODIUM DITHIONATE				
45	DIPHENYLENEIODONIUM CHLORIDE (DPI)				
46	BEC HYDROCHLORIDE	SRL/SIGMA/HIMEDIA			
47	SREPTAVIDIN AGAROSE				
48	BIOTIN HPDP	Thermo Scientific / Abcam			
49	METHYL METHANETHIOSULPHONATE	SRL/SIGMA/HIMEDIA			
50	ACETONE	SRL/SIGMA/HIMEDIA			
51	HEMATOXYLIN	MERCK			
52	PICRIC ACID	SRL/SIGMA/HIMEDIA			
53	ALCIAN BLUE	SRL/SIGMA/HIMEDIA			
54	PERIODIC ACID	SRL/SIGMA/HIMEDIA			

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55	SCHIFF'S REAGENT	SRL/SIGMA/ HIMEDIA			
56	BIORAD PROTEIN ASSAY DYE REAGENT CONCENTRATED (BRADFORD)	BIO-RAD			
57	PROTEASE INHIBITORY COCKTAIL	SRL/SIGMA /HIMEDIA			
58	MAGNESIUM CHLORIDE	SRL/SIGMA/ HIMEDIA			
59	MANGANESE CHLORIDE	SRL/SIGMA/ HIMEDIA			
60	L-CITRULLINE	SRL/SIGMA/ HIMEDIA			
<b>S.N.</b>	<b>Instrument/Material/Chemical</b>	<b>Make</b>	<b>Specification</b>		<b>Remark</b>
61	2'-5' ADP SEPHAROSE™ 4B	SIGMA/GE HEALTHCARE			
62	METHYL METHANETHIOSULFONATE (MMTS)	SRL/SIGMA/HIMEDIA			
63	N-OMEGA-HYDROXYL-L-ARGININE (L-NOHA)	SRL/SIGMA/HIMEDIA			
64	Immune-Blot PVDF Membrane.	Bio-Rad	26Cm*3.3m		0.2µm porosity
65	IPG STRIPS	BIO_RAD / GE			
66	IPG BUFFER (p-H 3-10)	BIO_RAD / GE			
67	ECL		50ml		
68	Protein ladder	BIO_RAD / GE			
69	Protein standard	Sigma-Aldrich			
70	Glycine	SRL			
71	PHENYL-SEPHAROSE CL-4B	SIGMA/ GE HEALTHCARE			
73	PUREPROTEOME PROTEIN A/G MAGNETIC BEADS	MERCK MILLIPORE /THERMOFISHER SCIENTIFIC			
74	CALMODULIN	SIGMA/SRL			
76	PURE PROTEOME PROTEIN A MAGNETIC BEADS	MERCK MILLIPORE /THERMOFISHER SCIENTIFIC			
77	NI-NTA AGAROSE	QIAGEN/ GCC BIOTECH			
78	TERRIFIC BROTH	SRL/SIGMA			
79	EPPS	SRL/SIGMA/ HIMEDIA			
<b>ANTIBODIES</b>					
1	Alpha-smooth muscle actin ( $\alpha$ -SMA)	Thermo Scientific /Abcam	WB/IHC/IF		Reactive against Mouse/ Guinea pig
2	ANTI-TGF BETA1	Thermo Scientific /Abcam	WB/IHC/IF		Reactive against Mouse/ Guinea pig
3	ANTI-PHOSPHO-AKT	Thermo Scientific /Abcam	WB/IHC/IF		Reactive against Mouse/ Guinea pig

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4	MONOCLONAL ANTI-3-NITROTYROSINE	Thermo Scientific /Abcam	WB/IHC/IF		
5	ANTI-NFKB1	Thermo Scientific /Abcam	WB/IHC/IF		Reactive against Mouse/ Guinea pig
	<b>ANTIBODIES</b>	<b>Make</b>	<b>Specification</b>		<b>Remark</b>
6	eNOS / nNOS / iNOS	BD/Abcam/Sigma	WB/IHC/IF/IP		Reactive against Mouse/ Guinea pig
7	Anti-Smad3	Thermo Scientific /Abcam/SC	WB/IHC/IF		Reactive against Mouse/ Guinea pig
8	Anti-IKB $\alpha$	Thermo Scientific /Abcam/SC	WB/IHC/IF		Reactive against Mouse/ Guinea pig
9	Anti-NF-kB	Thermo Scientific /Abcam/SC	WB/IHC/IF		Reactive against Mouse/ Guinea pig
<b>S.N.</b>	<b>ANTIBODIES</b>	<b>Make</b>	<b>Specification</b>		<b>Remark</b>
10	ANTI-VIMENTIN ANTIBODY, MOUSE MONOCLONAL	Thermo Scientific /Abcam/SC	WB/IHC/IF		Reactive against Mouse/ Guinea pig
11	Arginase 1	Thermo Scientific /Abcam/SC	WB/IHC/IF		Reactive against Mouse/ Guinea pig
12	Anti-DNP Antibody	Merckmillipore	WB/IHC/IF		
13	Histone 4	Thermo Scientific /Abcam/SC	WB		Reactive against Mouse/ Guinea pig
14	GAPDH	Thermo Scientific /Abcam/SC	WB		Reactive against Mouse/ Guinea pig
15	Anti Mouse & Anti-Rabbit(HRP)				
16	Anti-6X His tag antibody	Abcam/ Thermo Scientific/BD/Sigma	WB/IP		Reactive against mouse
17	ANTI-CALMODULIN	Abcam/BD/Sigma	WB/IP		Reactive against mouse
<b>INSTRUMENTS</b>					
1	Bench top pH Meter.				
2	Western Blotting Transfer Systems.	Bio-Rad			
3	Mini-PROTEAN Comb, 10,12,15-well,0.75,1.0,1.5 mm.	Bio-Rad	Cat No-1653365/165366		
4	Automated Digital Microscope With Computer.				
5	GILSONS PIPETEMAN G FOUR PIPETTE KIT.	GILSONS	P2G,P20G, P200G,P1000G		CAT CODE : F167360.
6	HEATING BLOCK (DRY BATH)	Neolab make			
7	-20 Deep Freezer	BlueStar	270-300 L		Single top door with door

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					locking system.
8	1.5 ton A.C *2	Any			
9	Ultra-low upright freezers (-80°C )				
10	Table top Incubator.				
11	Short plates and 5 spacer plates	Bio-Rad	1&1.5mm		
12	PUREPROTEOME MAGNETIC STAND, 8 WELL	MERCK MILLIPORE /THERMOFISHER SCIENTIFIC			
13	PUREPROTEOME MAGNETIC STAND, 15ML	MERCK MILLIPORE			
14.	Tris				
15	Glycine				
16	NaCl				
17	SDS				
18	KCl				
19	Alcohol				
20	Tryptone				
21	Alanine				
22	Glutamic acid				
23	HSA				
24	BSA				
25	EDTA				
26	NaH <sub>2</sub> PO <sub>4</sub>				
27	Na <sub>2</sub> HPO <sub>4</sub>				
28	Yeast Extract				
29	TEMED				
30	Acrylamide powder				
31	Large conical flask 1000ml				
32	Small conical flask 250ml				
33	HCl				
34	Rectified spirit				
35	Gloves (Medium)				
36	NaOH pellets				
37	Glucose				