

**Department of Biotechnology,
University of Kerala, Kariavattom,
Thiruvananthapuram-695581, Ph. No. 0471 2308778**

No. Bio-Tech/RT/2024-25/01

Date: 25.07.2024

QUOTATION NOTICE

Competitive Quotations are invited from vendors for entering into Rate Contract for the purchase of following chemicals for the research purpose in the **Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram**, for a period of 1 year.

Terms and Conditions

1. Kindly quote lowest price including GST for each item
2. The rate quoted should be inclusive of GST, transportation charges, and any other charges.
3. Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
4. The undersigned reserves have the right to reject any or all of the quotations received without assigning any reason thereof.
5. Items should be supplied within 14 days from date of Supply Order
6. Payment will be only made after the supply of items at our own site.

The firms who wish to supply chemicals are requested to submit the sealed quotations (hard copy only) of the quoted product should be addressed to "**Head, Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram - 695581**" superscribing as Quotations for entering into Rate Contract for a period of 1 year for the supply of Various chemicals in Department of Biotechnology, Kariavattom campus. The last date of receipt of quotations is at **3.00 PM on 16/08/2024**.

.BRAND-SIGMA/ MERCK

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	Tris base	252859	500g	1
2	Sodium Chloride	31434	500g	1
3	SDS	14509	500g	1
4	Trypan blue (0.4% solution) molecular grade	T8154	500g	1
5	Ponceau-S	P7170	1L	1
6	BSA	A7906	100g	1
7	HEPES	PHG0001	100g	1
8	Thrombin from human plasma	T7009- 100 UN	100 Unit	1
9	Streptokinase C from streptococcus sp.	S0577	100 Kilo Unit	1
10	Fibrin from human plasma	F5386	1g	1
11	Docetaxel drug	01885-5MG-F	5mg	1
12	Keratin Azure	K8500	5g	1
13	Chitosan from shrimp cells \geq 75%(deacetylated	C3646	25g	1
14	Sodium fluoride	7681-49-4	5G	1
15	Sodium orthovanadate	13721-39-6	50g	1
16	2- Thiobarbituric acid	T5500	25G	1
17	Antibiotic- Antimycotic solution (100x)	A5955	100ml	1
18	EDTA	6381-92-7	500g	1
19	Amberlite XAD 5	9003-70-7	500g	1
20	2-Propanol	67-63-0	500ml	1
21	Clotrimazole	C6019	5g	1
22	Tunicamycin	T7765	1mg	1
23	Annexin- PI Kit	APOAF-20TST	20 Test	1
24	Beta glycerol phosphate	GP422	50g	1
25	Cell cycle analysis kit	MAK344-1KT	100 Assay	1
26	Buffer tablets	239178	1 set	1
27	Methyl Jasmonate	39924522	5ml	1
28	Sodium Nitroprusside	13755389	25g	1
29	Clotrimazole	23593751	5g	1
30	Ampicillin	59349	100mg	1
31	Ponceau S Bioreagent, for Electrophoresis-0.1 % in 5% acetic acid	P7170	1L	1
32	Triton X	T8787	100ml	1
33	α -Amylase enzyme	A3306	10ml	1

34	Formaldehyde Solution ACS Reagent	252549	500ml	1
35	Phenol:Chloroform:Isoamyl Alcohol 25:24:1, Saturated with 10mM Tris, pH 8.0	P3803	100ml	1
38	OPD tablets (4mgper Tablet) - 100 tablet	P828	100TAB	1
39	Boric acid	10043-35-3	500g	1
40	Sodium acetate	1.93644.0521	500g	1
41	Agarose molecular grade	9012-36-6	500g	1
42	CTAB	H5882	500g	1
43	CHAPS	220201	1g	1
44	Sephadex G-100	G100120	10g	1
45	Tris Base Mol. Bio Grade	CAS-77-86-1	500g	1
46	Tris HCl	RES3098T-B701X	100g	1
47	Dialysis Tubing Cellulose Membrane	D9277-100FT	100FT	1
48	2 Propanol	1.94524.0521	500ml	1
49	Pepsin	P7000	25 g	1
50	2-Nitrophenyl β -D-galactopyranoside	N1127	250mg	1
51	Inulin	12255	25g	1
52	Lactulose	61360	25g	1
53	Bradford reagent (for 0.1-1.4mg/ml)	B696	500ml	1

BRAND - THERMO FISHER SCIENTIFIC / INVITROGEN/GIBCO

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	RIPA buffer	89900	100ml	1
2	FBS	10270106	500ml	1
3	0.25% Trypsin -EDTA(1X)	25200-056	100ml	1
4	RPMI	31800022	10X1L	1
5	DMEM High glucose	12800-017	10X1L	1
6	DPBS	21600010	10X1L	1
7	Nuclease free water not DEPC treated, autoclaved	AM9938	100ml	1
8	RNA later solution for RNA stabilization and storage	R0901	100ml	1
9	DEPC treated nuclease free water	AM9922	1L	1
10	Ellman's Reagent	22582		1
11	Immuno precipitation pull down assay kit(Dynabeads)	14321D	40 Reaction	1
12	Glycine	155141011	500g	1
13	Syber safe DNA gel stain	S33102	400 μ l	1
14	DEPC water	4387937	500ml	1

15	RNase away	7002PK	473 ml	1
16	Collagen Type I	A1048301	20mL	1
17	PCR Master Mix (2X)	0602200011730	100 Reaction	1
18	Chloroform	J6724	500ml	1
19	E-Gel 1 Kb plus Express DNA ladder	10488091	100 applications	1
20	NP 40	28324	6x10ml	1
21	Proteinase K	E00491	5x1ml	1
22	RNase inhibitor	E00384	24x2500 units	1
23	Trizol Reagent	15596018	500ml	1

BRAND-SRL

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	Sodium Chloride	41721	500 g	1
2	Copper Acetate	67912	250g	1
3	Copper Sulphate	61298	500 g	1
4	Resorcinol	39798	500g	1
5	Potassium Hydroxide	78269	500 g	1
6	Sodium Carbonate	64079	500 g	1
7	Dinitrosalicylic Acid	38707	100 g	1
8	Sodium Alginate	52775	500g	1
9	Sucrose	90701	500g	1
10	Silica gel for TLC	28112200	500g	1
11	Sodium potassium Tartrate Tetrahydrate Pure 99%,	63059	500g	1
12	Acetic Acid Glacial Extrapure 99.5%,	90868	500 ml	1
13	Sodium Hydroxide Powder	39700	500g	1
14	Potassium Iodide Pure 99%	78240	500g	1
15	Potassium Dichromate Pure 99.5%	13250	500g	1
16	Calcium Chloride Dihydrate Extrapure AR 99.5%	70650	500g	1
17	Diethyl ether	25049	500ml	1
18	Sucrose	84973	500g	1
19	Azocasein	102110-74-7	500mg	1
20	Phenol Tris Equilibrated	108-95-2	100ml	1
21	DPPH	29128	1g	1
22	MTT	33611	500mg	1
23	Low Melting Point Agarose	32417	10g	1
24	Silica Gel G for TLC	51849	500 g	1
25	APS	65553	100 g	1
26	TEMED extra pure	84666	500ml	1

27	Urea for Mol Biol	21113	500 g	1
28	Guanidine Hydrochloride for molecular biology	45539	500 gm	1
29	Acrylamide extrapure	22794	500 g	1
30	N,N-Methylene Bisacrylamide	38862	500g	1
31	Coomassie Brilliant Blue G	64222	5g	1
32	2-Mercaptoethanol for molecular biology	83759	250 ml	1
33	Sodium phosphate dibasic	7558-79-4	500 g	1
34	Sodium phosphate monobasic	7558-80-7	500 g	1
35	Citric acid	77-2-9	500 g	1
36	Soluble starch	9005-84-9	500 g	1
37	Sodium sulphite	7757-83-7	500 g	1
38	Sodium potassium tartarate	6381-59-5	500 g	1
39	Folin-ciocalteau reagent	39520	250 ml	1
40	Casein	65072-00-6	500 g	1
41	Calcium caseinate agar	95845	100 g	1
42	ETBR	1239-45-8	5 g	1
43	Pepsin	11787	25 g	1
44	Trypsin	60484	250mg	1
45	Lysozyme	45822	5g	1
46	Gentamycin	37636	5g	1
47	Vancomycin Hydrochloride	61078	1g	1
48	Tetracycline Hydrochloride	82175	5g	1
49	Chloramphenicol	28812	5g	1
50	Erythromycin	48535	5g	1
51	Hyaluronic Acid Sodium Salt - Type 1(600-1000 KD) extrapure 90%	27698	100mg	1
52	Dextran	47601	5g	1
53	Inulin	53860	25 g	1
54	Glycerol	77453	500ml	1
55	Ninhydrin Extrapure AR 99%,	55058	100g	1
56	Sodium Hydroxide Pellets Extrapure AR 98%	68151	500g	1
57	Potassium Permanganate extrapure,99%,	36903	500g	1
58	D-Maltose Monohydrate	6363-53-7	500g	1

BRAND-BIORAD

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	Acrylamide/Bis (29:1)	1610156	500ml	1
2	β-Mercaptoethanol molecular biology grade	1610710	25ml	1
3	ECL substrate	1705060	200ml	1

4	1kb DNA ladder RTU	DIAD	1kb	1
5	Syber Green	1725120	200 Reaction	1
6	cDNA synthesis kit	1708891	100 Reaction	1
7	Blotting grade blocker(Non Fat dry milk for western blot applications)	1706404	300g	1
8	Coomassie Brilliant Blue R-250 Staining Solution	1610436	1L	1

BRAND-PROMEGA

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	Transfection Reagent	E2311	1ml	1

BRAND-HIMEDIA

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	Sodium bicarbonate cell culture tested	TC230	100G	1
2	MTT-cell culture tested	CC191	1G	1
3	Mueller Hinton Agar	M173	500g	1
4	Sabouraud dextrose agar, granulated	GM063	500g	1
5	Sabouraud dextrose broth	MH033	500g	1
6	Peptone type 1 bacteriological	RM667	500g	1
7	Nutrient broth	M002	500g	1
8	L-Ascorbic acid	CMS1014	100G	1
9	Agarose	MB094	500g	1
10	Streptomycin	CMS220g	5g	1
11	D-Glucose	TC130	100g	1
12	Gram staining Kit	K001	1KT	1
13	MS Media	PT099	1L	1
14	2,4 - D	PCT0825	250g	1
15	BAP	GRM789	10g	1
16	Abscisic acid	PCT0815	25g	1
17	Gibberellic acid	RM9157	25g	1
18	Kinetin	PCT1406	100g	1
19	Agar bacteriological	GRM026	500g	1
20	Luria Bertani broth, Miller(LB Broth)	M1245	500g	1
21	2,2-Diphenyl-1-picryl hydrazyl	RM2798	1g	1
22	Ammonium Sulphate	GRM1273	5kg	1
23	DMSO (Dimethyl Sulphoxide), Sterile	TC349	100ml	1
24	Mueller Hinton Agar	M173	500g	1
25	Agar PTC Grade Himedia	PCT0901	500g	1
26	Widal Test Teaching Kit	HT1017	20PR	1
27	Single Radial Immuno Diffusion Teaching Kit	HT1004	20PR	1
28	Ouchterlony Double Diffusion Teaching Kit	HT1003	15PR	1
29	Immuno electrophoresis Teaching Kit	HT1005	20PR	1

30	Dot Elisa Teaching Kit	HT1015	15PR	1
31	Sandwich Elisa Teaching Kit	HT1014	4PR	1
32	Nutrient Agar	M001	500g	1
33	Ruthenium Red Agar	RM7463	5g	1
34	Lactobacillus MRS Broth	M369	500g	1
35	M17 Broth	M1029	500g	1
36	DEAE cellulose-52	MB110	25g	1
37	Ampicillin	SD002	1VL	1
38	Ampicillin sodium salt	PCT1101	5g	1
39	Kanamycin monosulphate	MB105	5g	1
40	Streptomycin	SD031	1VL	1
41	Fluconazole	SD232	1VL	1
42	CaCl ₂ , anhydrous	1023911000	1kg	1
43	MgCl ₂ hexahydrate	GRM3922	500g	1
44	Congo Red	GRM508	25g	1
45	Ammonium Sulphate	GRM1192	1kg	1
46	DNS	GRM1582	250g	1
47	Phenol:Chloroform:Isoamylalcohol mixture	MB078	500ml	1
48	MRS Broth	GM369	500g	1
49	Bovine Serum Albumin	MB083	25g	1
50	Mucin	RM8678	10 G	1
51	Lactulose	RM10246	25g	1
52	Diosgenin	RM2158	100g	1
53	Salicylic acid	GRM1476	500g	1
54	DNA isolation kit for plants	MB507	50 Preps	1
55	Selenium	GRM2435	100g	1
56	Fructose	GRM 196	500g	1

BRAND-SPECTROCHEM

SL.No.	Chemical Name	Product Code	Pack Size	Quantity
1	3,5-Dinitrosalicylic Acid >99%,	010458	25g	1
2	Trichloro acetic acid	76-03-9	500ml	1
3	Glutaraldehyde	010716	500ml	1
4	Petroleum Ether	011610	1Ltr	1
5	n-Hexane 99% AR-	010812	2.5Ltr	1
6	Chloroform 99% AR	010333	2.5Ltr	1
7	Acetic Acid for HPLC	070167	1Ltr	1
8	Acetone >99.5% AR	0101154	2.5 Ltr	1
9	Ethylacetate 99.5% AR	010520	2.5Ltr	1
10	Cyclohexane 99.5% (GC) AR	010352	1Ltr	1
11	Methanol HPLC	071301	2.5Ltr	1

12	Spectrosol 'E' for HPLC	071960	500ml	1
13	Ninhydrin	011409	100g	1
14	Sodium Hydroxide	0119209	500g	1
15	Potassium Iodide	011605	500g	1
16	Potassium dichromate AR	0116165	500g	1
17	Calcium Chloride	010385	500g	1
BRAND-Avantor-Rankem				
1	Nitric Acid AR	N0060	500ml	1
2	Sulphuric Acid	S0520	500ml	1
3	Hydrochloric Acid AR	H0070	500ml	1
BRAND-MAGGENOME				
1	Magna Stand	-	24 well	1
BRAND-NEB				
1	E.coli Ploly(A) Polymerase Kit	M0276S	100units	1
2	Protein Marker	P7706	0.5ml	
3	Restriction Enzymes-EcoR1	R0101S ,R0101T, R0101L ,R0101M	20,000 units/ml (1 x0.5 ml)	1
4	Restriction Enzymes-HindIII	R0104S ,R0104T, R0104L ,R0104M	20,000 units/ml (1 x0.5 ml)	1
5	Restriction Enzymes-BamHI	R0136S	20,000 units/ml (1 x0.5 ml)	1
6	Restriction Enzymes-KpnI	R3142S , R3142L , R3142M	20,000 units/ml (1 x0.5 ml)	1
7	RNase	M0297S,M0297L	5000 units/ml	1
8	Proteinase K	P8107S	2x1 ml 800 units/ml	1
9	Lysozyme	P8115S , P8115L	1 mg/ml	1
10	Monarch RNAse A	T3018L	1ml	1
BRAND-QIAGEN				
1	RNA isolation kit	217004	50 Prep	1
BRAND-MINERVA BIO				
1	Watershield (Minerva)	15-350	3x50ml	1
BRAND-CST				
1	Proteinase inhibitor cocktail (Eukaryotes)	30021290	1ml	1
BRAND-GENEI				
1	PCR Master Mix (2X)	0602200011730	100 reactions	1

2	Restriction Digestion Teaching Kit	KT01A	5 expts	1
3	PCR Teaching Kit	KT44A	10expts	1

LONZA

1	MEGMTM Mammary Epithelial Cell Growth Medium Bullet Kit TM Includes basal medium and Single Quots TM Kit-CC-3150-Kit.	CC-3150	1Kit	1
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ANTIBODIES

BRAND-THERMO FISHER SCIENTIFIC

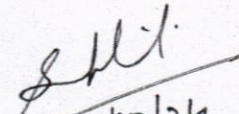
	Items	Catalogue No:	Volume	Quantity
1	EB1 mouse mAb	41-2100	100µg	1
2	Septin 11 Rabbit pAb	PA5-29533	100µl	1
3	GAPDH Antibody	MA5-15738	100µg	1
4	Goat anti-mouse IgG HRP conjugated	31430	1ml	1
5	Goat anti-rabbit IgG HRP conjugated	31460	2ml	1
6	Caspase 3	43-7800	100µg	1
7	Caspase 9	MAI-12562	100µg	1
8	PARP-1	436400	100µg	1
9	SP-1	13493287	100µl	1
10	Ap-1/JUN	221141-1-AP	150 µl	1
11	SRC-1	11524713	100µl	1
12	FOXA1 Polyclonal Antibody	PA5-27157	100µl	1

BRAND-Cell Signalling Technology(CST)

1	E-Cadherin Antibody	3195T	20µl	1
2	N-Cadherin Antibody	13116T	20µl	1
3	MMP1 Antibody	54376	20µl	1
4	Beta-catenin	8480T	20µl	1
5	Vimentin	5741S	100µl	1
6	CollA1	72026S	100µl	1
7	Caspase 7	9492S	100µl	1
8	Vinculin	13901S	100µl	1

9	Focal Adhesion Kinase(FAK)	3285S	100µl	1
10	Phospho-FAK	3283S	100µl	1
11	Caspase 3	9662	100µl	
12	Caspase 9	9502 S	100µl	1
13	PARP-1	9542 S	100µl	1
14	SP-1	5931 S	100µl	1
15	Phospho-C Jun(AP-1)	9164 S	100µl	1
16	SRC	2191 S	100µl	1
BRAND-Santa Cruz				
1	UCP-1 (4E5)	SC-293418	100 µg/mL	1
BRAND-Novus Biologicals				
1	TNF-alpha Antibody	NBP1-19532SS	0.025mg	1
2	TGF-beta 1 Antibody	NBP1-80289	20µl	1
3	SOD1/Cu-zn SOD Antibody	NBP2-24915SS	0.025mg	1




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