

UNIVERSITY OF KERALA

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala Legislative Assembly.
Accredited by NAAC with A++ grade)

DEPARTMENT OF BOTANY



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10/BOT/362/24

03.06.2024

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 Botany, 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 "**Professor and Head, Department of Botany, 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 Botany, Kariavattom campus. The last date of receipt of quotations is at **3.00 PM on 18/06/2024**.

BRAND -MERCK				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Methanol (HPLC grade)	60600725001730	2.5 L	1
2.	Ammonium fluoride PFD	61774005001730	500 gm	1
3.	Potassium Iodide Emparta	1.93201.0121	100 gm	1
4.	Tween 20 for synthesis	8.22184.0521	500 ml	1
5.	Indole-3-butyric acid	1.94960.0006	5 gm	1
6.	Acetone Emplura	1.94500.2521	2.5L	1
7.	Chloroform Emplura	1.94506.2521	2.5L	1
8.	Petroleum benzene 60-80 Emplura	1.07057.2521	2.5L	1
9.	Hexane Emparta	1.07052.2521	2.5L	1
10.	Toluene Emparta	1.07019.2521	2.5L	1
11.	Ethyl Acetate Emparta	1.07048.2521	2.5L	1
12.	Methanol Emplura	1.94516.2521	2.5L	1
13.	Hydrochloric acid about 35% Emplura	1.93401.0521	500 ml	1
14.	Sulfuric acid about 98% Emparta	1.93400.0521	500ml	1
15.	Nitric acid Emplura	1.93406.0521	500 ml	1
16.	Acetonitrile Emplura	1.15500.0521	500ml	1
17.	Sodium molybdate Emplura	1.93239.0121	100 gm	1
18.	Glutaraldehyde (25% solution in water) for synthesis	8.20603.0521	500 ml	1
19.	Silica gel 100-200 mesh for column chromatography	61860805001730	500 gm	1
20.	Formaldehyde solution 37% Emparta	1.94900.0521	500ml	1
BRAND -SRL				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Acrylamide extrapure, 99%	22794	500 gm	1
2.	Ammonium Persulphate (APS) pure, 98%	82381	500 gm	1
3.	Glycine extrapure AR, 99.5%	66327	500 gm	1
4.	Tris Buffer AR, ACS for Molecular Biology, 99.9	71033	100 gm	1
5.	Trichloro acetic acid (TCA) 10%	31445	500 ml	1
6.	Trichloro acetic acid (TCA)	90544	500 g	1
7.	Phenylalanine	40919	25 gm	1
8.	Bipyridyl	79363	25 gm	1
9.	DTNB	32363	1 gm	1
10.	Dragendroffs reagent	85675	125ml	1
11.	Ascorbic acid (extra pure)	23006	100 gm	1
12.	Sodium bi carbonate (NaHCO ₃)	56398	500 gm	1

13.	Magnesium nitrate	77697	500 gm	1
14.	Glycerol (Glycerine) Anhydrous	42595	500 ml	1
15.	Mercuric Iodide Red extra pure	36881	25 gm	1
16.	Anthrone powder extra pure	96476	25gm	1
17.	Potassium thiocyanate	48218	500gm	1
18.	Sodium carbonate (Na ₂ CO ₃)	89382	500gm	1
19.	Phenolphthalein indicator	79563	500ml	1
20.	Potassium Ferrocyanide extra pure	32294	500gm	1
21.	Agar powder for tissue culture	85473	500 gm	1
22.	Sucrose for plant tissue culture	92696	1Kg	1
23.	n-Butyl alcohol	72768	2.5 L	1
24.	Triton X100	64518	100ML	1
25.	TRIS HCL	89781	100 gm	1
26.	Dimethyl Sulphoxide (DMSO)	43404	500 ml	1
27.	2,2-Diphenyl-1-picrylhydrazyl (DPPH)	29128	250 gm	1
28.	Dragendroffs reagent	85675	125 ml	1
29.	Sodium Nitroprusside	13755	100 gm	1
30.	Folin Ciocalteu reagent	39520	100 ml	1
31.	Aceto orcin	67418	100 ml	1
32.	α-Bromonaphthalene	89943	100 ml	1
33.	Clove oil extrapure, 80%	78746	100 ml	1
34.	Safranin solution	16281	125 ml	1
35.	Fast green FCF for Microscopy	60339	5 gm	1
36.	Janus Green B	20489	5 gm	1
37.	Schiffs reagent	17386	500 ml	1
38.	Acetone	66951	2.5 L	1

39.	Chloroform	84155	2.5 L	1
40.	Hexane	12534	2.5 L	1
41.	Ethyl Acetate	66183	2.5 L	1
42.	Methanol	65524	2.5 L	1
43.	Petroleum ether	58415	2.5 L	1
44.	Toluene	47556	2.5 L	1
45.	Methanol	59029	25 L	1
46.	Acetone pure	31566	25 L	1
47.	Chloroform	96712	25 L	1
48.	Hexane	91454	25 L	1
49.	Ethyl acetate	89362	25 L	1
50.	Petroleum ether	58415	25 L	1
51.	Methanol	65524	500 ml	1
52.	Petroleum ether	11778	500 ml	1
53.	Toluene	47556	500 ml	1
54.	Xylene	23749	500 ml	1
55.	Glycerine	42595	500 ml	1
56.	Isoamyl alcohol	57020	500 ml	1
57.	1-Butanol	19147	500 ml	1
58.	Ninhydrin Emparta	55058	10 gm	1
59.	Acetic acid glacial	90868	500 ml	1
60.	Poly Ethylene Glycol	79133	500 ml	1
61.	Benedict's Reagent Qualitative	35003	500 ml	1
62.	Benedict's reagent Quantitative	82949	500 ml	1
63.	Fehling's solution A	89474	500 ml	1
64.	Fehling's solution B	12603	500 ml	1

65.	Ammonia solution	78719	500 ml	1
66.	Sodium chloride	41721	500 gm	1
67.	Sodium Hydroxide Pellets	96311	500 gm	1
68.	Sodium Carbonate	89382	500 gm	1
69.	Aluminium chloride hexahydrate	90015	500 gm	1
70.	Sodium hydroxide pellet	96311	500 gm	1
71.	Pottassium hydroxide pellet	84749	500 gm	1
72.	Coomassie Brilliant Blue G-250 for molecular Biology	64222	5 gm	1
73.	Bromophenol Blue	11458	5 gm	1
74.	Bovine Serum Albumin 98%	97350	5 gm	1
75.	Albumin Egg flakes extrapure 85%	56587	100 gm	1
76.	Cupric Sulphate Pentahydrate extrapure AR, 99.5%	61298	500 gm	1
77.	Orthophosphoric Acid extrapure AR, ACS, 85%	50056	500 ml	1
78.	Pottassium permanganate	36903	500 gm	1
79.	Colchicine	17701	1 gm	1
80.	DPX Mountant for histology	88147	250 ml	1
81.	Mercuric Iodide Red extrapure	36881	25 gm	1
82.	8-Hydroxyquinoline	91113	100 gm	
83.	2 Propanol	62616	1L	1
84.	Silver nitrate	32814	10 gm	1
85.	Sucrose	84973	500 gm	1
86.	Agarose low EE for molecular Biology	36601	25 gm	1
87.	Fuchsin Basic	14277	100 gm	
88.	3,5-Dinitrosalicylic acid (DNS) extrapure AR, 99%	38707	100 gm	1

BRAND -REACHEM

Sl.No	Chemical Name	Product Code	Pack Size	Quantity
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	Mayers reagent	Ma2860-125 ml	125 ml	1
2.	Millions reagent	Mi3065-125 ml	125 ml	1
3.	Molisch reagent	Mo3070-125 ml	125 ml	1
4.	Formaldehyde (37-41%)	Fo1685-500 ml	500ml	1
5.	Hydrogen peroxide 30% solution	Hy1985-500ml	500ml	1
6.	Acetocarmine LR	Ac1550-100ml	100 ml	1
7.	Iodine N/10 Solution	Io2072-500ml	500ml	1
BRAND - SPECTROCHEM				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Acetyl bromide >98%	0101167	250 ml	1
2.	Methanol >99.5%(anhydrous)AR KF	011314-1000ml	1L	1
BRAND - HIMEDIA				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Water HPLC Grade	AS077-1L	1L	1
2.	Bis acryl amide	MB005-25g	25gm	1
3.	Murashige and Skoog Basal Medium	PT021-25L	25 L	1
4.	Agar powder	PCT0901-500g	500 gm	1
5.	MS Medium	PT021-100x1L	1L	1
6.	Agar Powder Bacteriological Grade	GRM026-500g	500g gm	1
7.	Resazurin Sodium, Hi-CERT	RM 125-1g	1 gm	1
8.	Todd Hewitt Broth	M313-500g	500 gm	1
9.	Proteinase K	TC687-10mg	10 mg	1
10.	Dimethyl sulphoxide (DMSO)	GRM5856-250ml	250 ml	1
11.	Ribonuclease-A	MB087-100mg	100 mg	1
12.	Peptone	RM001-500g	500 gm	1
13.	Yeast Extract Powder	RM027-500g	500gm	1
14.	Acicase	RM013-500g	500 gm	1
15.	Malt Extract Powder	RM004-500g	500 gm	1
16.	Nutrient Agar	M001-500g	500 gm	1
17.	Gram Stains kit	K001-1KT	1KT	1
18.	Perchloric acid about 60% Hi-AR / ACS	AS012-500 ml	500 ml	1
BRAND - TAKARA				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity

	50bp DNA Ladder (Dye plus) 500µl	3421A	50bp	1
2.	Emerald Amp GT PCR Master Mix 4ml	RR310A	160 reactions	1
3.	TB Green™ Premix Ex Taq II 200 Reactions	RR820A	200 Reactions	1
BRAND - SIGMA				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Cellulase from Aspergillus niger powder, ≥0.3 units/mg solid 2500UNITS	C1184	25KU	1
2.	Cellulase from Trichoderma reesei ATCC26921 lyophilized powder, ≥1 unit/mg solid, 5000 UNITS	C8546	5KU	1
3.	Phosphate Buffered saline powder (PBS), P ^H 7.4 for preparing 1 L solution	P3813	1 PKG	1
4.	Sodium selenite 99%	214485	5 gm	1
5.	Luteolin ≥ 98.0% powder	L9283	10 mg	1
6.	Amentoflavone ≥98.0%(HPLC)	40584	1 mg	1
BRAND - G BIOSCIENCES				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Agarose for Nucleic acid electrophoresis low EEO	786-1013	500 gm	1
BRAND - ORIGIN				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	100bp DNA Ladder	OMD109-01	50 preps	1
BRAND - TCI				
Sl. No	Chemical Name	Product Code	Pack Size	Quantity
1.	4,5-Dihydroxyanthraquinone-2-carboxylic acid	D3986	200mg	1
2.	Sodium 2-(1H-Indol-3-yl) acetate Synonyms: (Indole-3-acetic Acid Sodium Salt)	O0603	5 gm	1
3.	2,4 Dichloro phenoxy acetic Acid	D0396	25 gm	1
4.	Kinetin	K0009	1 gm	1
5.	1-Naphthaleneacetic Acid	N0005	25 gm	1
6.	6-Benzylaminopurine	B1088	5 gm	1
BRAND - CHEMFACTS				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity
1.	Amentoflavone	1617-53-4	5 mg	1
BRAND – PLANT CELL TECHNOLOGIES				
Sl.No	Chemical Name	Product Code	Pack Size	Quantity

	Plant Preservative Mixture	71806-1	30 ml	1
	PRIMER			
	Primer Name	Sequence(5'-3')	Length	
1.	SSR 9 F	CATCCATCCATCCATCCAAT	20	1
2.	SSR 9R	GTCGTTGATCATTCGCAAAA	20	1
3.	SSR 10F	CGCATCAGCGCCAAACGC	18	1
4.	SSR10R	GGAAGCGAAAGGAGATCG	18	1
5.	SSR 11F	ATTTCGAGAGCCCTTGGTCCG	20	1
6.	SSR11R	TTTATGGGGTCGCGTCCG	18	1
7.	SSR12F	TGCTGGCTCTGTGGGATG	18	1
8.	SSR 12R	TTAGGTTTTTCAGTGGAGAGAG	21	1
9.	SSR13F	TGTAGGCATATGGTGGGTCTG	21	1
10.	SSR13R	ATCTCTTAATCCAAGGGCCG	20	1
11.	SSR14F	CTCCTCAGCTTCGTCGCC	18	1
12.	SSR14R	GACGAGATTGGCGTATCCC	19	1
13.	SSR 3 F	CTTTTGGGCTATGTTGCG	18	1
14.	SSR 3R	TGCTAAAGTACCCACCAG	18	1
15.	SSR 4F	GCTGCTCTTGCTGCCAT	17	1
16.	SSR4R	AAGCCATAGGACCACCAC	18	1
17.	SSR 5F	CTCCTCATCTACCGCACCTC	20	1
18.	SSR5R	CCCTAGACGACGACGAAGAG	20	1
19.	SSR6F	AGAAGCGGAAGCGTGTTG	18	1
20.	SSR 6R	GCGGAGATCGAAGCACTC	18	1
21.	SSR7F	CCCTGAAGGTGGAGATTGTG	20	1
22.	SSR7R	AAAAACCAAACCCTGGACA	20	1
23.	SSR8F	CTTAGGGTTGAATGGTCC	18	1
24.	SSR8R	ATCTGAGACCCAAGTTCG	18	1
25.	AF	TTCATCCATCCATATCTTT	22	1
26.	AR	CCATATAGGTAAGGTCAT	22	1
27.	BF	AGCCATACATAATATAACAAGT	25	1
28.	BR	CCAGTTAATACGGAGAAG	22	1

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Dr. E. A. Siril
Professor and Head