



YOGI VEMANA UNIVERSITY

Vemanapuram, Kadapa-516003, Andhra Pradesh, India

Department of Botany

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Date: 11-07-2016

From

Dr. P.S. Sha Valli Khan
Principal Investigator-DST-SERB,

To

M/s Manufacturers/distributors/suppliers

Sir/Madam

**Sub: Yogi Vemana University - Dr. P. S. Sha Valli Khan-Dept. of Botany- and PI-SERB
Major research project, Purchase of chemicals-Inviting quotations-Reg.**

**Ref:1.Proceedings of the Vice - Chancellor No. YVU/ DEVP/ PSSVK/ Botany/ SERB/
Permission/2015-16dt. 16-03-2016**

2. List of Chemicals (Bio chemicals /Inorganic/Organic chemicals)

In reference to the above, you are requested to send your lowest quotation, terms and conditions and information brochure in the name of **the Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003, Andhra Pradesh, India**, in duplicates towards the supply of listed chemicals on or before **15-08-2016**. The list of chemicals including Bio/Inorganic/Organic chemicals herewith enclosed.

You are also requested to send a certificate along with your quotation to the effect that you are the sole manufacturer/distributor of listed chemicals. The manufactures/suppliers from reputed firms like **Himedia/SDS-Fine/Ranchem/Avra/Loba/Merck** will be given priority for the supply of chemicals.

Yours faithfully

(P.S. Sha Valli Khan)

LIST OF CHEMICALS

[Dr.P.S.Sha Valli Khan PI-SERB Major Research Project]

S. No.	Name of the Chemicals	Minimum Quantity	Required quantity
1.	2-Merchпто ethanol	1 lit	1
2.	80% Acetone	2.5 lit	1
3.	Acetate	500g	1
4.	Aceto carmine	25g	2
5.	Acetyltrimethyl	100g	2
6.	Acid ninhydrine	100g	1
7.	Acrylamide	500g	1
8.	Agar	500g	1
9.	Agarose	500g	2
10.	Aminomethane	25g	4
11.	Ammonium acetate	500g	1
12.	Ammonium bicarbonate	25g	2
13.	Ammonium bromide	50g	2
14.	Ammonium nitrate	500g	2
15.	Ammonium persulphate	100g	2
16.	Ammonium sulphate	500g	1
17.	Anthrone reagent	100g	2
18.	Aqueous ethanol [alcohols free;y mix with water] solution	500ml	1
19.	Aqueous isopropanal solution	100g	1

20.	Basic fuchision	25g	1
21.	Bees wax	250g	1
22.	Beta-Mercaptoethonol	500ml	1
23.	Bis acralamide[N,N-Methylene BA]	500g	1
24.	Bismuth subnitrate A.R	50g	1
25.	Boric acid	250g	1
26.	Borine serumalbumin[BSA]	250g	1
27.	Bromo phenol dye	50g	1
28.	Butatilate hydroxitoulune	50g	1
29.	Calcium carbonate	500g	1
30.	Calsium chloride	500g	1
31.	Citric acid	500g	3
32.	Cobalt chloride	100g	1
33.	Copper sulphate	100g	1
34.	Cristal blue	150g	1
35.	Cupric Sulphyte	250g	1
36.	Di amino benzidine [DAB]	25g	1
37.	Di methyl sulfoxide	500ml	1
38.	EDTA	100g	5
39.	Ferric chloride	500g	1
40.	Ferrus sulfate	500g	2
41.	Formaldehyde	500ml	2
42.	Gel rite	50kg	1
43.	Glacial acetic acid	500ml	5
44.	Glucose	250g	4
45.	Glycerine	500ml	2

46.	Guaiacol	100g	2
47.	Hematoxylin	25g	2
48.	Hydrochloric acid	10lit	1
49.	Hydrogen peroxide	500ml	5
50.	Iodine resublimed	25g	2
51.	Liquid Nitrogen	2.2lit	2
52.	Lithium sulphate	100g	1
53.	Magnesium chloride	100g	2
54.	Magnesium nitrate	500g	1
55.	Magnesium oxide	500g	1
56.	Magnesium sulphate	500g	1
57.	Malondialdehyde[MDA]	25ml	1
58.	Mercuric chloride-1	500g	1
59.	Mercuric chloride-2	500g	1
60.	Metaphosphoric acid	500ml	1
61.	Methyle violet Staining solution	500ml	2
62.	N-acetyl-D-glucosamine	25g	2
63.	Nitric acid	500ml	4
64.	Nitroblutetrazolium[NBT]	500mg	2
65.	Oxalic acid	5lit	1
66.	Paraformoldehyde powder	100g	5
67.	Pedi lite	50kg	1
68.	Phenol	500g	2
69.	Phosphate	500g	1
70.	Phosphoric acid	500ml	1

71.	PMSF [Phenylmethyle sulfonyl fluoride]	25g	1
72.	Potassium sodium tartrate	100g	2
73.	Potassium chloride	500g	1
74.	Potassium dihydrogen phosphate	500g	1
75.	Potassium nitrate	500g	2
76.	Prolene	1lit	1
77.	Ruthenium Red(oxide)	50g	3
78.	Salicylic acid	500g	1
79.	SDS [Sodium dodecyle sulphate]	100g	3
80.	Silica gel 230-400	100g	2
81.	Sodium acetate	100g	2
82.	Sodium benzoate [SB]	1kg	1
83.	Sodium bicarbonate	500g	2
84.	Sodium carbonate	500g	2
85.	Sodium chloride	500g	2
86.	Sodium hydroxide pellets	500g	2
87.	Sodium hypo chloride	2lit	1
88.	Sodium malibdate	500g	2
89.	Sodium meta bisulphate	500g	2
90.	Sodium sulphate	500g	2
91.	Sodium tartrate	100g	4
92.	Soil rite	50kg	1
93.	Sulfosalicylic acid	250g	2

94.	Sulfuric acid	500ml	4
95.	Temed [Tetra Methyl Ethylene Diamine]	100ml	2
96.	Tert- Butyl alcohol [TBA]	500ml	4
97.	Thiourea[TU]	500g	2
98.	Titanium sulphate	100g	2
99.	Toluene	500ml	3
100	Trichloro acetic acid[TCA]	100g	5
101	Tris <i>amino methane</i> /THAM	500g	2
102	Triss Hydrogen chloride	500ml	2
103	Tryptone [peptide]	500g	3
104	Vermiculite	50kg	1
105	Yeast extract	500g	1

106	1,2 Di Chloro ethane	500ml	2
107	2-Thio barbituric acid	25 g	3
108	Agar Agar Type 1	500 g	5
109	Alluminium chloride	1 kg	2
110	Ammonium chloride	5 kg	2
111	Basic fuchision	25gm	5
112	Bees wax	500g	2
113	Chloroform	2.5 lit	2
114	CON . HCL	1st case	3
115	CON.Sulfuric acid H2SO4	5 lit	1
116	Cristal blue	50ml	2
117	CTAB	25 tests	2
118	Di potassium hydrogen phosphate(K2HPO4)	250g	3
119	Di sodium phosphate(Na2HPO4)	500g	4
120	Ethidium bromide	30 ml	5
121	Ethylene di amine tetra acetic acid	100g	5
122	L -Methionine	100g	2
123	Liquid Nitrogen	1 lit	5
124	Lithium carbonate	250g	2
125	Methanaol	4 lit	2
126	Methyle violet Staining solution	500 g	2
127	potassium Di hydrogen phosphate (KH2PO4)	25g	4
128	Riboflavine	100g	4
129	Sodium poatassium tartarate	5 kg	1

Bio Chemicals

130	100% Ethanol	5 lit	2
131	2,6-Dichlorophenol	25g	2
132	2-4-D	50g	1
133	8-hydroxy quenaline	50g	1
134	ABA	50g	2
135	Ascorbic acid	100g	1
136	Aspartic acid	100g	1
137	BA	50g	1
138	BAP	50g	1
139	Biotin	50g	1
140	Calchisine	50g	1
141	Crystal phenol	25ml	2
142	Crystal violet	25ml	2
143	DAP	25g	2
144	Difco Bacto agar	250g	1
145	FAA	50g	1
146	FDA	50g	1
147	Folic acid	25g	2
148	GA3	25g	2
149	Gelatine	100g	2
150	Glutamine	50ml	1
151	Glutathione	100g	1
152	Glycine	250g	1
153	Inosital	100g	1

154	Kinetin	25g	1
155	L-Alanine	100g	1
156	L-Glutamine	100g	1
157	L-Serine	100g	1
158	Maltose	500g	2
159	Manitol	500g	1
160	Myo-Inositol	1 kg	1
161	Napthaline acetic acid	25g	1
162	Nicotinic acid	100g	3
163	Original	25g	1
164	Polyethylene glycol (PEG)	500g	1
165	Potato extract	250g	1
166	PVP [Poly vinyl pyrrolidone]	100g	2
167	Pyridoxine HCL	1 kg	1
168	Sarbital	1 kg	1
169	Sucrose	5kg	2
170	Thiamine HCL	100g	3
171	Zeatine	50g	2