

Department of Biotechnology  
VISVA-BHARATI

**Ref No. VB-BT/Thesis grant/2017-2018/Consumables/01, dated 16-01-2018**

<b>LAST DATE OF SUBMISSION</b>	<b>16-02-2018</b>
<b>HOURS (I.S.T)</b>	F.N.

Dear Sir,

Please quote your lowest rates for the following items so as to reach to the **Head, Department of Biotechnology, Siksha Bhavana, Visva-Bharati, Santiniketan- 731235** on or before the date and time noted above. *Please see terms & conditions as mentioned below, which are essential*, the failure in compliance of which may lead to rejection of the quotation.

**Chemical Items:**

Sl No	Items	Qty
1.	Fetal Bovine Serum, Australian origin. Endotoxin level: $\leq 10$ EU/ml. Hemoglobin level: $\leq 30$ mg/dl, 500ml,	3 bottle
2.	AllPrep DNA/RNA/Protein Mini Kit, 50 reaction,	1kit
3.	Tea extract from CamellaSinensis Analytical standard, $\geq 80\%$ theaflavins 10mg	1 vial
4.	Anti Human CD 14 - BV510	0.1mg
5.	Anti Human CD 19 - BV421	0.1mg
6.	Anti P53 (sp reactivity - Human, Mouse, Rat) (assay - WB, IP, IHC)	0.1mg
7.	Anti Bcl-2 (sp reactivity - Human, Mouse, Rat) (assay - WB, IP, IHC)	0.1mg
8.	Anti Bax (sp reactivity - Human, Mouse, Rat) (assay - WB, IP, IHC)	0.1mg
9.	Albumin Bovine Fraction V	10 gm $\times$ 2
10.	Giemsa's stain (for microscopy)	25 gm $\times$ 1
11.	Dimethyl sulfoxide (DMSO) sterile	(5 x 10ml) $\times$ 1
12.	Erythrosin B(for microscopy)	25 gm $\times$ 1
13.	Ionomycin ( $\geq 98\%$ )	1 mg $\times$ 1
14.	Methanol (For HPLC)	2.5 L $\times$ 1
15.	Sodium Nitrite (AR)	500 gm $\times$ 1
16.	Catalase assay kit	1 kit $\times$ 1
17.	GSH assay kit	1 kit $\times$ 1
18.	SOD Assay kit	1 kit $\times$ 1
19.	M199 Media powder (w L-glutamine, 25mM Hepes, w/o Sod bicarbonate)	(1L $\times$ 10) $\times$ 1
20.	RPMI-1640 powder (w L-glutamine, 25mM Hepes, w/o Sod bicarbonate)	(1L $\times$ 10) $\times$ 1
21.	DMEM powder (w 4.5 g Glucose/L, L-glutamine, 25mM Hepes, w/o Sod bicarbonate, Sod pyruvate)	(1L $\times$ 10) $\times$ 1
22.	Methanol AR	2.5 L $\times$ 1
23.	Tris buffer (pH range 7.0 to 9.0)	500 g $\times$ 1
24.	Naringenin (pure, 95%)	
25.	Rutin trihydrate (pure 95%)	
26.	DPPH	
27.	MTT	
28.	Ethyl acetate AR	
29.	Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	
30.	Ethylenediaminetetraacetic acid, dipotassium salt, stock	
31.	Methanol AR	2 L
32.	Glacial acetic acid AR	1ltr

33.	Aluminium nitrate (acs reagent)	
34.	Potassium acetate (extra pure ar)	
35.	Potassium persulphate (extra pure ar)	
36.	Alpha tocopherol (Synthetic HPLC $\geq$ 96%)	
37.	Gallic acid (pure, acs exiplus)	
38.	Quercetin, dihydrate (extra pure)	
39.	Ferrous Chloride,Tetrahydrate (For analysis Emsure)	
40.	Ferrozine, Monosodium (Extra Pure for Biochemistry)	
41.	Trolox	
42.	Fluorescein	
43.	Linolenic acid (analytical standard)	
44.	Zinc acetate, dihydrate (extrapure)	500gm
45.	Casein (fat free)	250g
46.	Hypochlorous acid	100 ml
47.	Mercuric chloride HgCl <sub>2</sub>	100gm
48.	Sodium hypochlorite	100 ml
49.	Glacial Acetic Acid	1ltr
50.	DMSO	1ltr
51.	Xylene	1ltr
52.	Hexane	1ltr
53.	Formaldehyde	1ltr
54.	Benzene	1ltr
55.	Chloroform	500ml
56.	Diethyle ether	500ml
57.	NaCl	500gm
58.	Potassium Iodide	100gm
59.	Iodine	10gm
60.	Pipettorstand	2 pc
61.	Agar Powder, extra pure, 500g	1
62.	D- (+)- cellobiose, min 98%	2
63.	Acrylamide, 3X crystal for molecular biology, 100g	2
64.	Bisacrylamide, 3X crystal for molecular biology, 25g	2
65.	Xylan from beech wood, 10g	1
66.	DCPIP, 1gm	2
67.	Yeast extract, 500g	2
68.	DNA Ladder 1kb	1
69.	Pre stain protein ladder, 10-180 Kd	1
70.	Nitrile gloves, medium size, 9.5 inch	2
71.	Absolute ethanol, 1lit	1
72.	TEMED, 99%	2
73.	Ammonium per sulfate	2
74.	Beef extract, 500g	1
75.	PCR tubes, .2 ml flat cap, 1000 pcs/pack	2
76.	Yeast nitrogen base without aminoacids and ammonium sulfate, 100g	1
77.	Lambda DNA, 500 ug	1
78.	Agarose (Molecular Biology grade)	
79.	Nuclease Free Water, Molecular Biology grade (Membrane Filtered	
80.	Pfu DNA Polymerase 100U	
81.	Taq DNA Pol (recombinant) 100U	
82.	T4 DNA Ligase, 2×500 units	
83.	Nde 1, 500 U	
84.	NotI, 500U	
85.	MOPS, 100g	

86.	6X DNA Loading Dye, 1ml	
87.	High range RNA ladder, 40 ul	
88.	2X RNA loading dye, 1 ml	
89.	dNTP, Fermentas/Thermo Scientific, 1 ml	
90.	dATP, Fermentas/Thermo Scientific 0.25 ml	
91.	dGTP, Fermentas 0.25 ml	
92.	RevertAid H Minus first strand cDNA synthesis kit, 20 reactions	
93.	CloneJET <sup>TM</sup> PCR cloning kit (Fermentas), 20 reactions	
94.	Spin mini prep kit, 50 reactions	
95.	Gel extraction kit, 50 reactions	
96.	NucleoSpin RNA Plant-II, 50 preps ( HSN Code : 38220090)	4
97.	Dream Taq Green PCR Master Mix(2x)(200rxns of 50 µl rxn)	2 Pc.
98.	Micropipette tip(200-1000µl,500 pieces/pack)	5 box
99.	Micropipette tip(2-200µl,1000 pieces/pack)	2box
100.	Micropipette tip(2-10µl,1000 pieces/pack)	5box
101.	PCR tube (flat cap)	4Pkt.
102.	2-Isopropanol	4
103.	PCR Purification Kit(250 reaction)	2
104.	C DNA synthesis kit(100×20µl)	2
105.	SYBR green super master mix(100 react.)	2
106.	RNA extraction minikit(50 rxn)	2

#### Plastic-wares, glass-wares and Lab supplies:

SI No	Items	Qty
1.	Universal Grad tip200ul-1000ul, 500/pack	5 pack
2.	Nitrile examination gloves medium 9.5, 100pc/pack	5 pack
3.	6 well plate, FB, TCT, W/LID, S, IND	1 × 50 pc/pk
4.	Syringe with needle sterile (1 ml)	1 box
5.	Syringe with needle sterile (5 ml)	1 box
6.	Syringe with needle sterile (50 ml)	10 pc
7.	PVDF membrane roll, 0.2 µm, 26cm x 3.3 m	1 roll
8.	Syringe Filter Unit, Sterile, MCE, 0.22 µM, 33mm	2 box
9.	Syringe Filter Unit, Sterile, PES, 0.22 µM, 33mm	2 box
10.	Syringe Filter Unit, Sterile, PES, 0.45 µM , 33mm	2 box
11.	Syringe Filter Unit, Sterile, PVDF, 0.22 µM, 33mm	2 box
12.	Mini cooler -20 °C 1.5 ml, 32 places, gel filled cover (yellow)	1 pc
13.	Water bottle for feeding (straight)	12 pc
14.	Slide box, PS, 50 places	2 box
15.	Wide mouth Bottle (125ml)	12 pc
16.	Microtip, PP, 200-1000µl	5 box
17.	Microtip, PP, 2-200µl	5 box
18.	Microtip, PP, 0.2-10 µl	5 box
19.	Micro Centrifuge Tube, PP, 0.5ml	2 box
20.	Micro Centrifuge Tube, PP, 1.5ml	5 box
21.	Micro Centrifuge Tube, PP, 1.5ml (Amber)	1 box
22.	Micro Centrifuge Tube, PP, 2ml (Amber)	1 box
23.	Cuvette quartz (1 ml)	1 pair
24.	Cuvette quartz (500 µl)	1 pair

25.	Glass beads (Undrilled) colorless, dia - (3 - 5 mm)	1 × 500 gm
26.	Magnetic stirring bars (Round with Pivot Ring) , PTFE, Assorted	1 set
27.	Magnetic beads (spinwings), PTFE	1 set
28.	Magnetic stirring bars (microspin), PTFE	1 set
29.	Magnetic stirring bars (Trapazodial), PTFE, 20x45mm	1 pc
30.	Magnetic stirring bars (Cross-spin), PTFE	1 set
31.	Magnetic stirring bars (triangular) , PTFE, 14x30mm	2 pc
32.	Magnetic stirring bars (triangular), PTFE. 14x40mm	2 pc
33.	Magnetic stirring bars (triangular) , PTFE, 14x50mm	2 pc
34.	Magnetic stirring bars (Oval) assorted	1 set
35.	Magnetic stirring bars (Octagon), PTFE, Assorted	1 set
36.	Magnetic stirring bars (Polygon) , PTFE, Assorted	1 set
37.	Petri plates 90-100mm	100 pc
38.	Microcentrifuge tube (1.5 ml)	5
39.	Microcentrifuge tube (2 ml)	5
40.	Microtip 1-10ul	5
41.	Microtip 2-200ul	5
42.	Microtip 1ml	5
43.	Round Magnetic Stirrer Bar with Pivot Ring	1 Pack
44.	Staining Box Material PP/PP 22.5x22.5x5	1 Pack
45.	Staining Box Material Amber PP/PP 22.5x22.5x5	1 Pack
46.	Reagent bottle (500ml)	4
47.	Reagent bottle (250ml)	4
48.	Reagent bottle (1000ml)	2
49.	Hand gloves medium size	1 pkt.
50.	Tissue paper	12 dozen
51.	15 ml. Tarson tube	
52.	15 ml. Tube rack	

### **Terms and Conditions of Purchase**

**The offers addressed to Head, Department of Biotechnology, Siksha Bhavana, Visva Bharati, Santiniketan- 731235, MUST be sealed and marked as Ref No. VB-BT/Thesis grant/2017-2018/Consumables/01, dated 16-01-2018, Due Date 16-02-2018 .**

#### **1. Each quotation must follow the norms bellow:**

- 1. Hard copy of the quotation within envelope alone with soft copy with both Microsoft word and PDF format in a CD.**
- 2. Each group of Items should be in different page and quote all the items in each group according to the serial number given in the tender. Each group should be quoted separately.**
- 3. GST must be mentioned and included with the quoted Price for each individual product.**
- 4. Vendors should provide the authorization certificate from the principal companies for their product.**
- 5. Vendors should be careful so that the specified product perfectly matches with their quoted Cat. No.**
- 6. In case of imported items rated in other currency, the price must be converted in INR price including custom duty depending on DSIR.**

**Kindly note that the total order value may vary according to the requirement. Vendors will be directed to supply this material in different times within the next one year from the date of advertisement in the same rate in different quantities.**

**Incomplete or inappropriate quotation will not be entertained.**

2. Apart from other applications in respect of the quality, standard, terms etc., the offer should specially clarify the points noted below, in the following order:

- i) Validity of the offer
- ii) Period of Delivery
- iii) Place of Delivery
- iv) GST (and other applicable tax, if any)
- v) Insurance
- vi) Packing and forwarding Charges and Freight
- vii) Other incidental charges. The rates and terms should be noted on F.O.R. / F.O.B. basis or delivery at V.B. site

3. Below are the details of the above points:

i) *Validity of the offer*: - Here please mention the time ( From \_\_\_\_\_ To \_\_\_\_\_ ) up to which your quotations shall be correct. The quotationer shall have no right to revise them within the period given here on the plea of fluctuations in the marker rate. Normally the validity of the offer should be for a specified period of one year.

ii) *Time of Delivery*: - State the period during which the supplies will be effected by you in full.

iii) *Place of Delivery*: - Mention clearly the place of destination, and mode of transit by which the supplies will be effected without any extra charges. The University will prefer F.O.R. Santiniketan prices in case of outstation suppliers, and delivery at our site in case of local suppliers.

iv) *GST*: - State the present rates for individual item. In case the same is not applicable, mention “*Not Applicable*” and if the prices are inclusive please write “*Included in the Prices*”. *GST / I.T Pan No. or Registration Number (as the case may be should invariably be quoted in the offer, a photocopy of the latest clearance certificate of the above be enclosed with the offer, failing which the offer will not be considered.*

(V.B. can provide DSIR certificate for Duty exemption for research purposes whenever applicable).

v) *Insurance*:- If the rates are inclusive of insurance please write “ *Included in the prices* ” otherwise state “*Not included*”. In case local supplier where insurance is not necessary, they may mention “*Does not arise*”.

vi) *Packing and Forwarding Charges*:- If these charges are accounted for in the prices quoted by you, please mention “ *Included in the prices* ”, otherwise please give an approximate charge thereof. It may be noted that the university will pay only the actual expenses on this accounts.

vii) *Other incidental charges*:- Other charges which are not fully accounted for by the replies given above, may be mentioned.

4. University reserves the right to accept / cancel any of the tender or part thereof without assigning any reason.

5. Suppliers having Rate Contract with Central or Provincial Government should quote along with a certified copy of the current Government Rate Contract.

6. The offers must be accompanied by the related catalogues, leaflets, brochures and samples wherever possible. While effort is made to return the samples to the suppliers, the HOD / P.I./ Coordinator/Indenter cannot accept any responsibility in this respect.

7. All quotations should be net, after showing discounts etc.

8. If the terms of the quotations etc. are vague, incomplete, contradictory and confusing the offer will be rejected without any explanation.

9. The suppliers will be informed of the decision in due course in case of decision in their favour and any interim enquiries about offers will not be attended to.

10. Once the offer is accepted by the HOD / P.I./ Coordinator/ Indenter and the order is placed on the

basis, the supplier will have to deliver the goods accordingly within the stipulated time, or meeting the compensation for loss if any on account of non execution of the supply order.

11. Liquidated Damage:-Visva-Bharati deserves the right to impose liquidated damage as and when required; the rate of penalty will be at par with the same of the Govt. of India's instruction.

12. Bank Commission where applicable will have to be borne by the supplier.

13. All disputes subject to "Bolpur, Birbhum,W.B. Jurisdiction" only.

**Head**  
**Dept. of Biotechnology,**  
**Visva-Bharati**