

Dr. Jayanthi M
Professor & Head,
Department of Pharmacology



Jawaharlal Institute of Postgraduate
Medical Education & Research, (JIPMER)
Ministry of Health & F.W., Govt. of India
Puducherry - 605 006.

Enq No: JIPMER/Research/Pharmacology/Jayanthi M/ICMR/EMR/2022-2023

Date: 30 May 2022

Dear Sir/Madam,

Sub: Supply of Plastic wares/Cell culture reagents/Chemicals/Antibodies for the ICMR extramural project entitled "Repurposing metformin and valproic acid to target cytotoxic and apoptotic pathways for potentiating the anticancer activity of cisplatin in non-small cell lung cancer in vitro" in the Department of Pharmacology - Limited Tender Invited - Reg.

Please quote your lowest rates for the supply of Plastic wares/Cell culture reagents/Chemicals/Antibodies as per annexures given overleaf, subject to the following terms and conditions.

The items are required for the ICMR extramural research project File No.: 58/29/2020-PHA/BMS Dated 21/12/2021

1. Rates should be quoted only for the items which are available in stock and can be supplied immediately on receipt of the order.
2. JIPMER being a DSIR certified institution (DSIR No: TU/V/RG-CDE (1294)/2020, Dated: 08/01/2021), GST should be quoted as applicable.
3. No insurance charges are payable as per the rules of the Government. As such, the firms before quoting should be taken into consideration all the risks in the transit and then furnish limited tender, which should cover insurance charges also. If any point is raised as regards insurance charges after orders are issued, the same will not be entertained, and the firms thereafter should affect the supply at their own cost.
4. Rates should be quoted F.O.R Pondicherry. Extra packing, forwarding charges, etc., should not be quoted.
5. Delivery is required urgently. Tenderers should state the guaranteed delivery period they can offer. As the delivery date is the essence of the contract, this should have strictly adhered to the successful tenderer.
6. No supply, which is not according to the specifications and requirements, will be accepted.
7. The Principal investigator shall have the right to reject the limited tender in whole or part without assigning any reason.
8. In the case of high precision instruments, the firms should give a guarantee certificate for their satisfactory performance.
9. Limited tender should be sent only by the certificate of posting. Hand quotations are not accepted.
10. The quotation should be valid for one year.

Please furnish your limited tender in a sealed cover superscribing as "Limited tender for Consumables, Enq No: JIPMER/Research/Pharmacology/Jayanthi M/ICMR/EMR/ 2022-2023".

NOTE: 1. The quotation is addressed to The Director, JIPMER, Puducherry-6.

2. The Sealed Cover (quotation) may please be sent directly to:

Dr.Jayanthi M, Professor and Head, Department of Pharmacology, 3rd floor, Institute Block, JIPMER, Puducherry - 605006.

Email ID: drjayanthi@jipmer.ac.in

Please furnish your limited tender in separate sealed cover for each annexure as: "Limited Tender for Consumables for annexure no: JIPMER/Research/Pharmacology/Jayanthi M/ICMR/EMR/ 2022-2023 Dated 30 May 2022, Department of Pharmacology.

Due date: 14 June 2022.

Tender opening date: 15 June 2022

Limited tender should reach the office on or before 14 June 2022, 04:30 PM. Tender received after the due date will be summarily rejected.

Yours sincerely,

Principal Investigator

Professor & Head

Department of Pharmacology
JIPMER, Puducherry - 6.

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Annexure 1A – Cell culture Medias

Sl. No	Product name	Pack size	Brand	Quantity required
1	Trypsin-EDTA Solution 10X W/2.5% Trypsin (TCL070)	1X100ml	HiMedia	1X100ml
2	Antibiotic Solution 100X Liquid w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline (A001-50ML)	50ml	HiMedia	1X50ml
3	Fetal Bovine Sera, Gamma Irradiated, Sterile Filtered	1x500ml	HiMedia or Gibco	1X500ml
4	Nutrient Mixture F-12 Ham, Kaighn's Modification W/ L-Glut (Cat.No: AL106S)	1x500ml	HiMedia	2X500ml
5	RPMI-1640 With 2mM L-Glutamine, 4.5gms Glucose per liter, 10mM HEPES, 1.5gms per liter Sodium bicarbonate and 1mM Sodium pyruvate 1X Liquid Cell Culture medium (Cat.No: AL162S)	1X500ml	HiMedia	2X500ml

Note:

1. Making and catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia and Gibco** would be preferred.
4. All the chemicals and media should be of cell culture grade.

Annexure 1B – Cell culture Plastic wares

Sl. No	Product name	Pack size	Brand	Quantity required
1	MICRO TIPS PP autoclavable 200-1000UL	500/Pack	Tarsons	5 Packs
2	MICRO TIPS PP Autoclavable 2-200UL	1000/Pack	Tarsons	4 Packs
3	MICRO TIPS PP Autoclavable 0.2 - 10UL	1000/Pack	Tarsons	4 Packs
4	SAFESKIN Nitrile Gloves 9.5" Length SMALL	100Nos/Box		1 Box
5	Syringe driven filter- 0.22µ	100/Box	HiMedia	1 Box
6	Cellulose Nitrate 0.22µ Membrane Diameter: 47	1X100Nos	HiMedia	1
7	T25 culture flask, vented cap CC treated, autoclavable	10/Pack	HiMedia	10 Packs
8	0.2ml Tube with cap PP Autoclavable 0.2ml	1000/Pack	Tarsons	1 Pack
9	Eppendorf 1.5ml tubes, Autoclavable	500pcs/Pack	Tarsons	1 Pack
10	Eppendorf 2.0ml tubes, Autoclavable	500pcs/Pack	Tarsons	1 Pack
11	Cell culture dish 60x15mm, Working Volume, CC Treated, Autoclavable	10/Pack	HiMedia	5 Packs

Note:

1. Making and catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia and Tarsons** would be preferred.
4. All the plastic wares should be of cell culture and molecular grade.

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Annexure 1C – Cell culture Dyes

Sl. No	Product name	Pack size	Brand	Quantity required
1	MTT	500mg	Himedia	1X500mg
2	Coomassie brilliant blue G250	5g	Himedia/Sigma	1x5g
3	DAPI TC229	5mg	HiMedia	1X5mg
4	Hoechst 14530 Sigma-Aldrich bisBenzimide H 33258	100mg	Sigma	1X100mg
5	Propidium iodide Cell Culture Tested Product Code: TC252	25mg	HiMedia	1X25mg
6	Acridine orange Product Code: TC262	5g	HiMedia	1X5g
7	MB071 Ethidium bromide, For Molecular Biology	5g	HiMedia	1X5g
8	JC-1 stain 420200 Sigma-Aldrich JC-1 - CAS 47729-63-5 - Calbiochem	5g	Sigma	1X5g

Note:

1. Making and catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia and Sigma** would be preferred.
4. All the chemicals should be of cell culture and molecular grade



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Annexure 2 – Chemicals

Sl. No	Product name	Pack size	Brand	Quantity required
1	Sodium chloride	500g	HiMedia/Sigma	1X 500g
2	Potassium chloride	500g	HiMedia/Sigma	1X 500g
3	Methanol	1L/Bottle	Merck	1X 1L
4	Paraformaldehyde	25g	HiMedia/Sigma	1X 25g
5	Isopropanol	2.5L/Can	Merck	1X 2.5L
6	Ethanol	2.5L/Can	Merck	1X 2.5L
7	Sodium hypochlorite	2.5L/Can	Merck	1X 2.5L

Note:

1. Catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia, Sigma, and Merck** would be preferred.
4. All the chemicals should be of molecular grade.



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Annexure 3 – Gene expression

Sl. No	Product name	Pack size	Brand	Quantity required
1	TRIzol	100ml/Bottle	Invitrogen/Sigma	1X100ml
2	cDNA synthesis kit	100Rcxn/Kit	Qiagen	1X 100Rcxn
3	RNA isolation from mammalian cells Mini kit	250Rcxn/Kit	Qiagen	1X 250Rcxn
4	RT-PCR kit	100Rxn/Kit	Qiagen	1X 100Rxn
5	Top Taq master mix	250Rxn/Kit	Qiagen	1X 250Rxn
6	100bp DNA Ladder M MBT130-50LN 50 Lanes	150µl/Vial	HiMedia	1X 150 µl

Note:

1. Catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia, Sigma, and Qiagen** would be preferred.
4. All the Kits should be of molecular grade.
5. The kit should have good reviews and citations in indexed journals.

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Annexure 4 - Protein expression

Sl. No	Product name	Pack size	Brand	Quantity required
1	Sodium Dodecyl Sulfate (SDS)	100g	Biorad	1X 100g
2	Acrylamide	100g	HiMedia	1X 100g
3	Bisacrylamide	100g	HiMedia	1X 100g
4	Tris base	100g	HiMedia	1X 100g
5	Glycerol	100ml	HiMedia	1X 100ml
6	Bovine serum albumin	25g	HiMedia	1X 25g
7	Protease inhibitor cocktail	1ml	HiMedia/Sigma	1X 1ml
8	Ammonium persulfate	10g	Biorad	1X 10g
9	TEMED	5ml	Biorad	1X 5ml
10	PVDF membrane Western Blotting Membranes roll W × L 30 cm × 3.00 m, roll of 1, pore size 0.2 μm	1 roll	Himedia/Sigma	1X 1 roll
11	Nitrocellulose Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.22μm - 1 roll	1 roll	HiMedia	1X 1 roll
12	Protein dual stained ladder	1X500ul	Biorad	1X500ul

Note:

1. Catalog numbers should be mentioned.
2. Products should be supplied with an expiry date between 12-24 months from the date of supply. (If supply is received less than 12-24 months, it will lead to rejection)
3. Brands like **HiMedia, Sigma and Qiagen** would be preferred.
4. All the Kits should be of molecular grade.
5. Should have good reviews and citations in indexed journals.

Annexure 5 – Antibodies

Sl. No	Product name	Pack size	Brand	Quantity required
1	GAPDH Rabbit mAb	50ul	CST/Abcam/Santa Cruz	1X 50ul
2	Cleaved caspase 3 Rabbit mAb	50ul	CST/Abcam/Santa Cruz	1X 50ul
3	Caspase 9 Rabbit mAb	50ul	CST/Abcam/Santa Cruz	1X 50ul
4	Caspase 8 Rabbit mAb	50ul	CST/Abcam/Santa Cruz	1X 50ul
5	BAK	50ul	CST/Abcam/Santa Cruz	1X 50ul
6	mTOR Antibody	50ul	CST/Abcam/Santa Cruz	1X 50ul
7	Bcl-2 (124)	50ul	CST/Abcam/Santa Cruz	1X 50ul
8	Phospho-mTOR	50ul	CST/Abcam/Santa Cruz	1X 50ul
9	Cyclin D1 Antibody	50ul	CST/Abcam/Santa Cruz	1X 50ul
10	Anti-rabbit IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor® 488 Conjugate)	50ul	CST/Abcam/Santa Cruz	1X 50ul
11	Anti-mouse IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor® 488 Conjugate)	50ul	CST/Abcam/Santa Cruz	1X 50ul
12	Anti-rabbit IgG HRP	50ul	Abcam/Santa Cruz	1X 50ul
13	Anti-Mouse IgG HRP	50ul	Abcam/Santa Cruz	1X 50ul

Note:

Source Species: Rabbit/Mouse

Application: WB, IHC, IF, Flow cytometry

Reactivity: Human/Mice/Rat/Monkey

- Catalog numbers should be mentioned.
- Products should be supplied with an expiry date between 12-24 months from the date of supply.
(If supply is received less than 12-24 months, it will lead to rejection)
- CST/Santa Cruz/Abcam/Thermo scientific antibodies are preferred.
- Should have good reviews and citations in indexed journals.
